

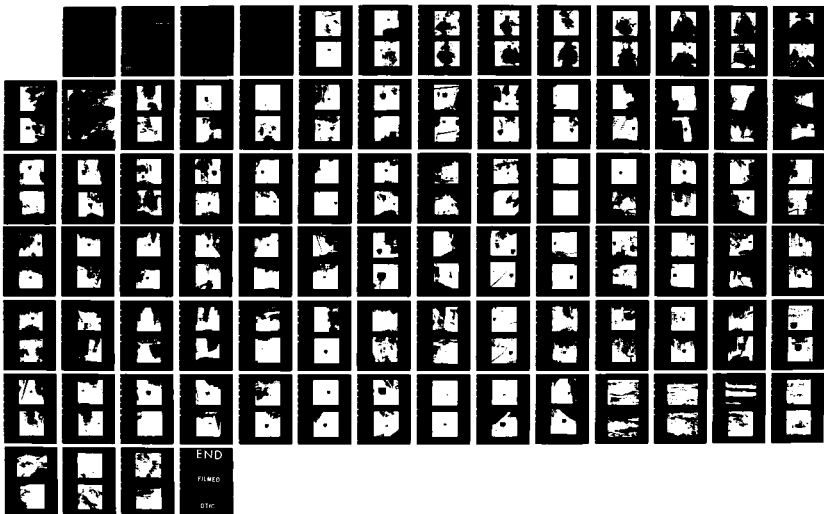
AD-R160 529

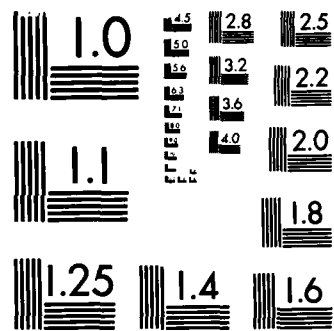
CLARENCE CANNON DAM AND MARK TWAIN LAKE FOUNDATION AND
EMBANKMENT COMPLET (U) ARMY ENGINEER DISTRICT ST LOUIS
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CLARENCE CANNON DAM & MARK TWAIN LAKE

AD-A160 529

FOUNDATION AND EMBANKMENT COMPLETION REPORT

PART II MAIN DAM

PHASE II CONSTRUCTION AND RELATED CONTRACTS

VOLUME III — PHOTOGRAPHS

PAGES 210 THRU 291

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CLARENCE CANNON DAM AND RESERVOIR

SALT RIVER, MISSOURI

CENTER, MISSOURI

FOUNDATION AND EMBANKMENT COMPLETION REPORT

PART II MAIN DAM

PHASE II CONSTRUCTION AND RELATED CONTRACTS

VOLUME III PHOTOGRAPHS



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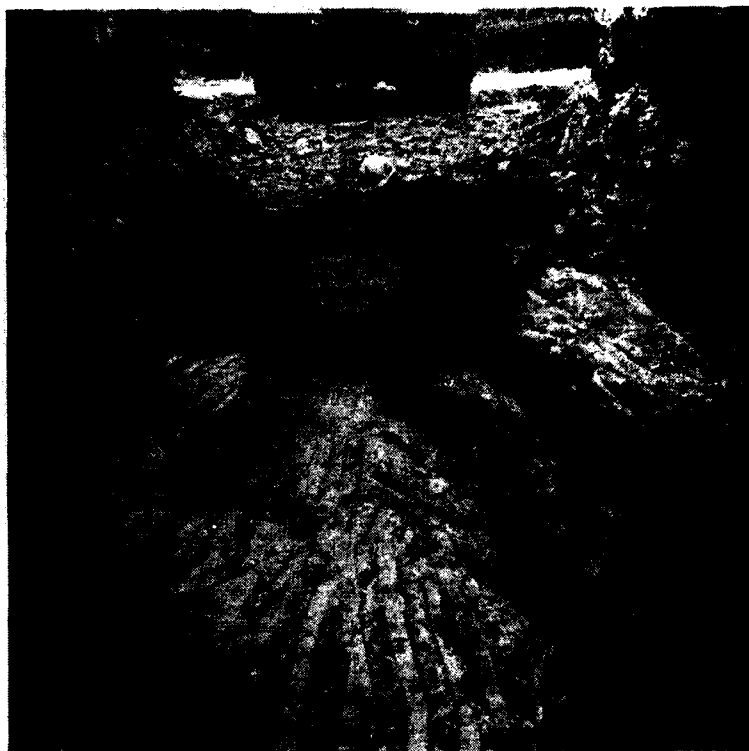
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, ST. LOUIS DISTRICT
210 TUCKER BOULEVARD, NORTH
ST. LOUIS, MISSOURI 63101

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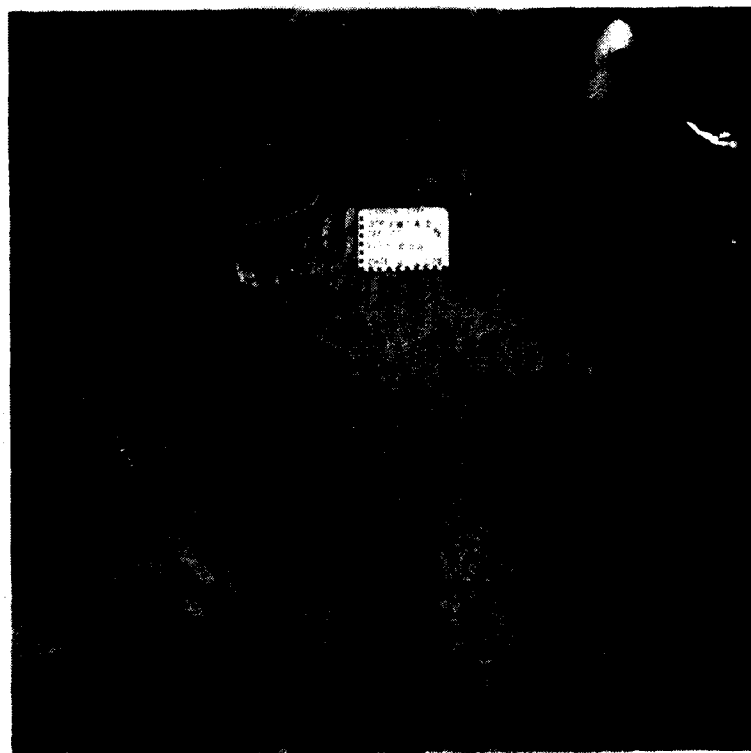
SECTION 4

LEFT ABUTMENT :

	<u>PAGES NOS.</u>
A. BASAL CONCRETE FILLETS	180 - 196
B. CUTOFF WALL	197 - 284
C. DOWNSTREAM RAVINE	285 - 291
D. EMBANKMENT CONTACT AREA	292 - 376
E. CUTOFF TRENCH	377 - 383



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 18+28, Elevation 548 feet. 19 August 1978



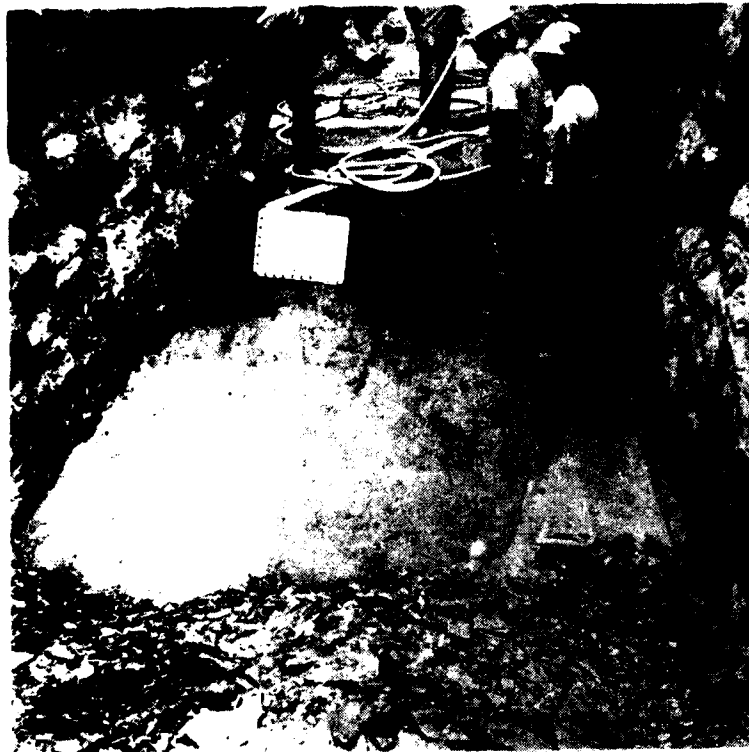
Left abutment cutoff wall final foundation, Hannibal Shale.
Station 18+40, Elevation 548 feet. 19 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 18+50, Elevation 547.5 feet. 18 August 1978



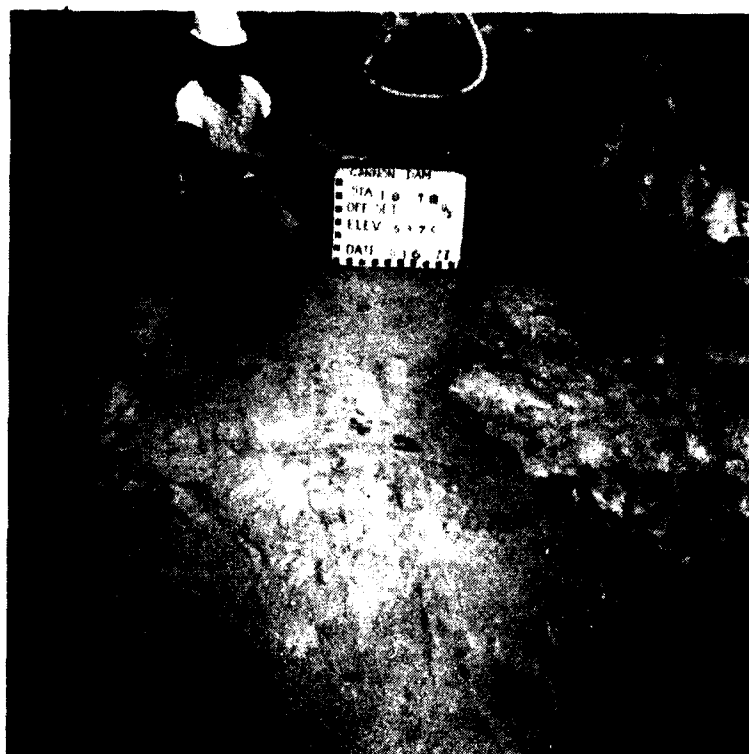
Left abutment cutoff wall final foundation, Hannibal Shale.
Station 18+50, Elevation 547.5 feet. 18 August 1978



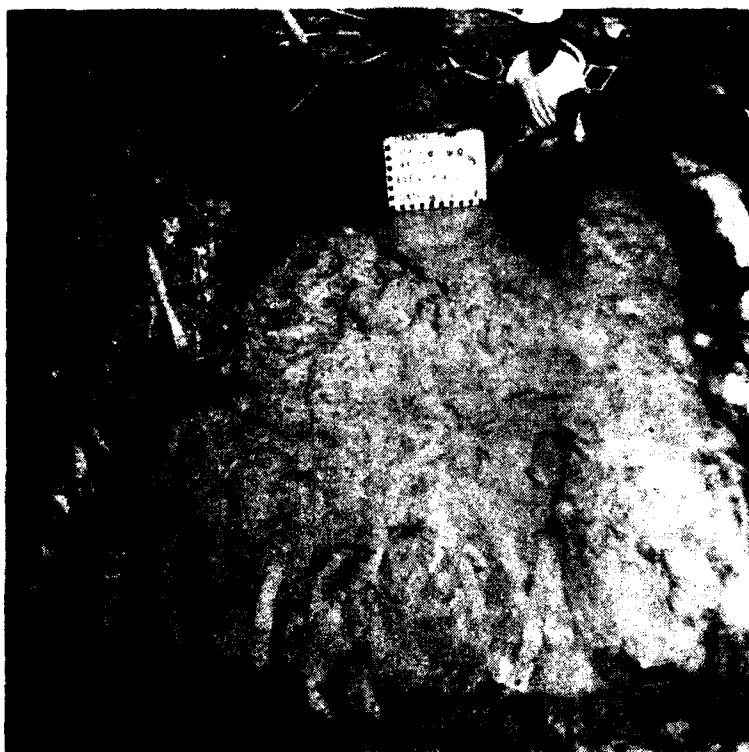
Left abutment cutoff wall final foundation. Hannibal Shale.
Station 18+59, Elevation 547.5 feet. 18 August 1978



Left abutment cutoff wall final foundation. Hannibal Shale.
Station 18+68, Elevation 547 feet. 18 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 18+78, Elevation 547.6 feet. 17 August 1978



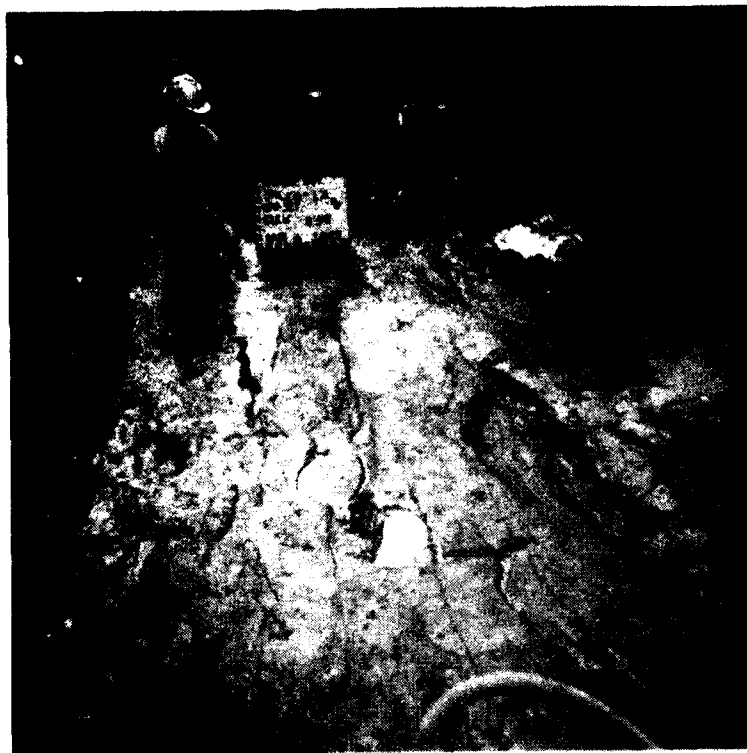
Left abutment cutoff wall final foundation. Hannibal Shale.
Station 18+90, Elevation 548 feet. 17 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+00, Elevation 548 feet. 17 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+00, Elevation 548.5 feet. 16 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+16, Elevation 548 feet. 16 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+32, Elevation 548 feet. 16 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+36, Elevation 549 feet. 15 August 1978



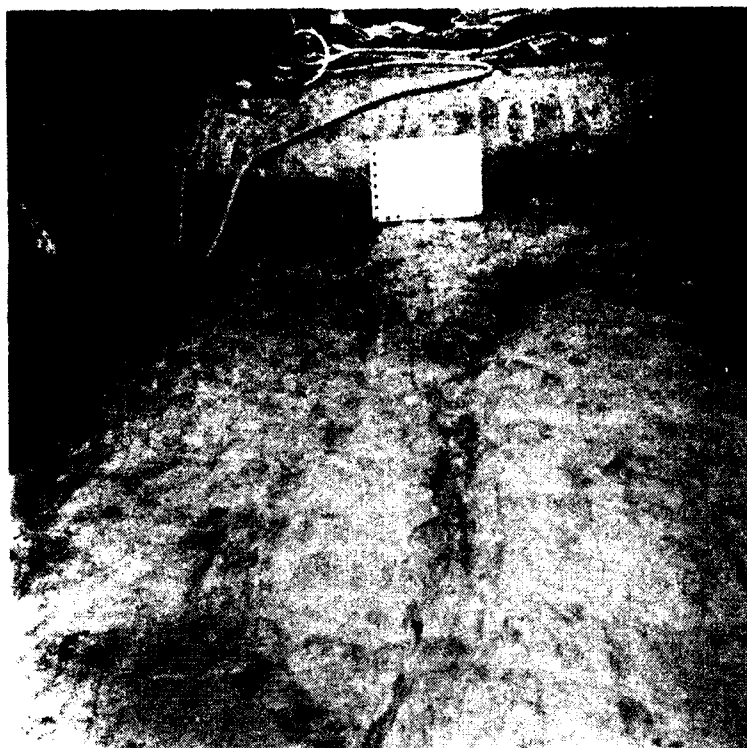
Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+50, Elevation 549 feet. 14 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+63, Elevation 550 feet. 14 August 1978



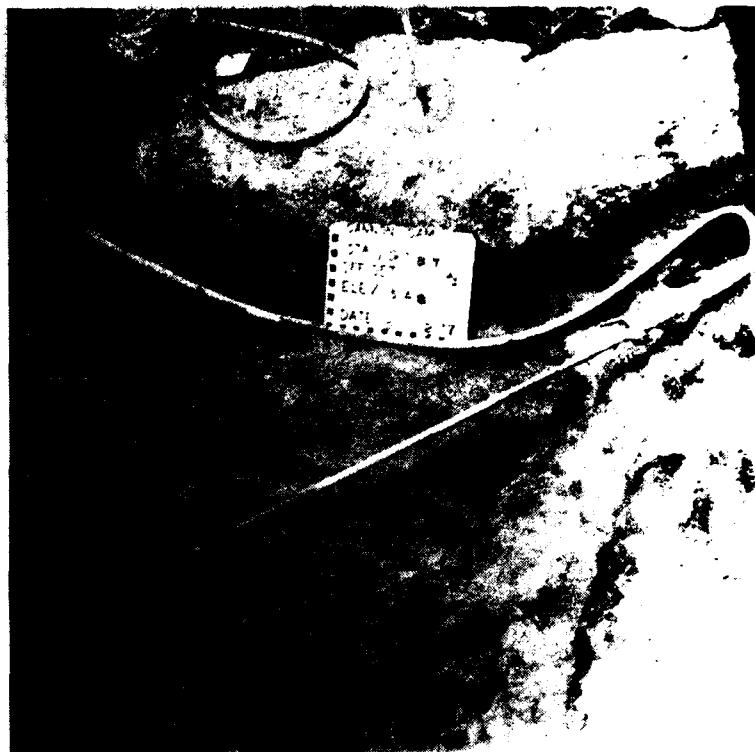
Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+63, Elevation 549 feet. 14 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+75, Elevation 550 feet. 14 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+77, Elevation 548 feet. 12 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+87, Elevation 548 feet. 12 August 1978



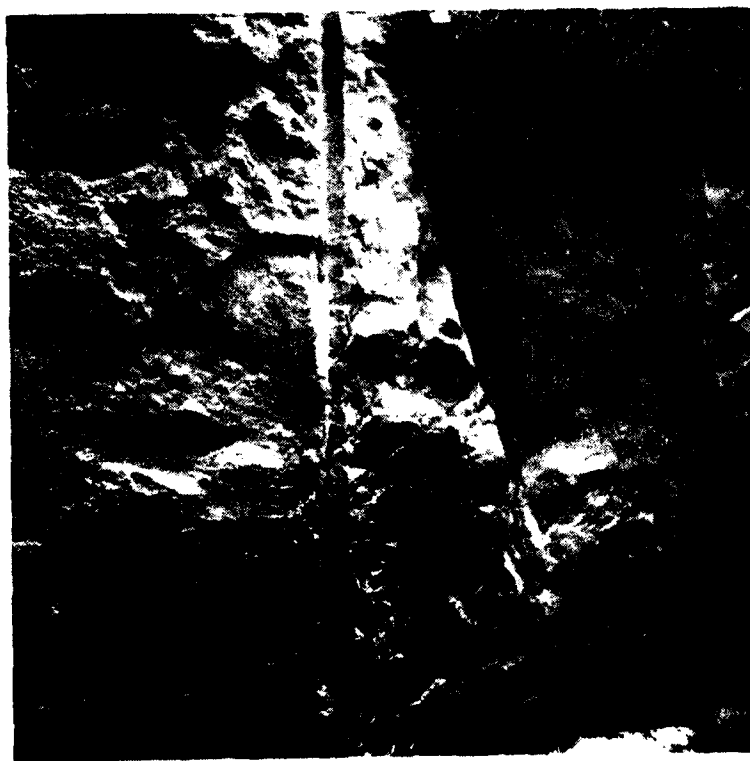
Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+98, Elevation 550 feet. 11 August 1978



Left abutment cutoff wall final foundation, Hannibal Shale.
Station 19+98, Elevation 550 feet, 11 August 1978



Cutoff wall, final foundation for concrete placement CW 1-1. 18 Sept. 1978.



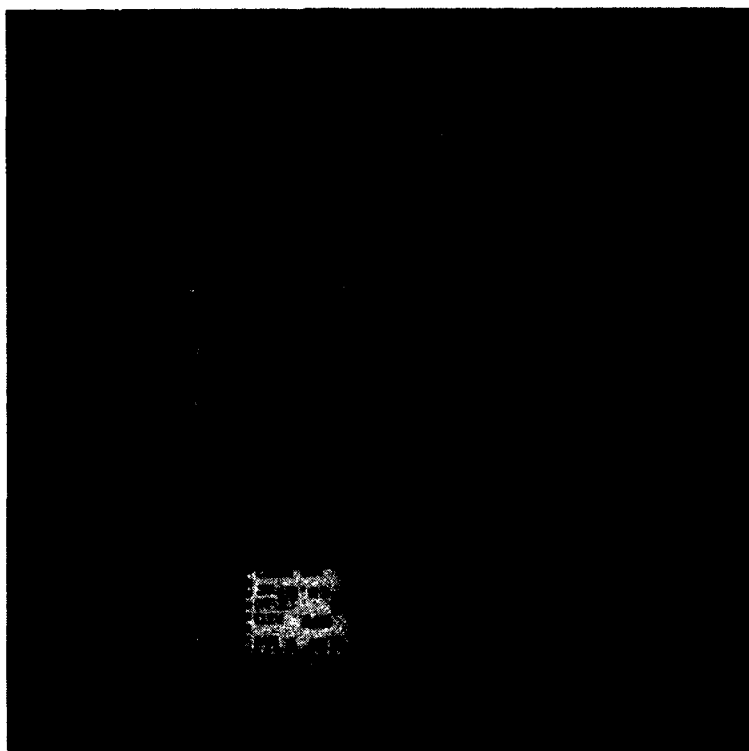
Cutoff wall, final foundation for concrete placement CW 1-1. 18 Sept. 1978



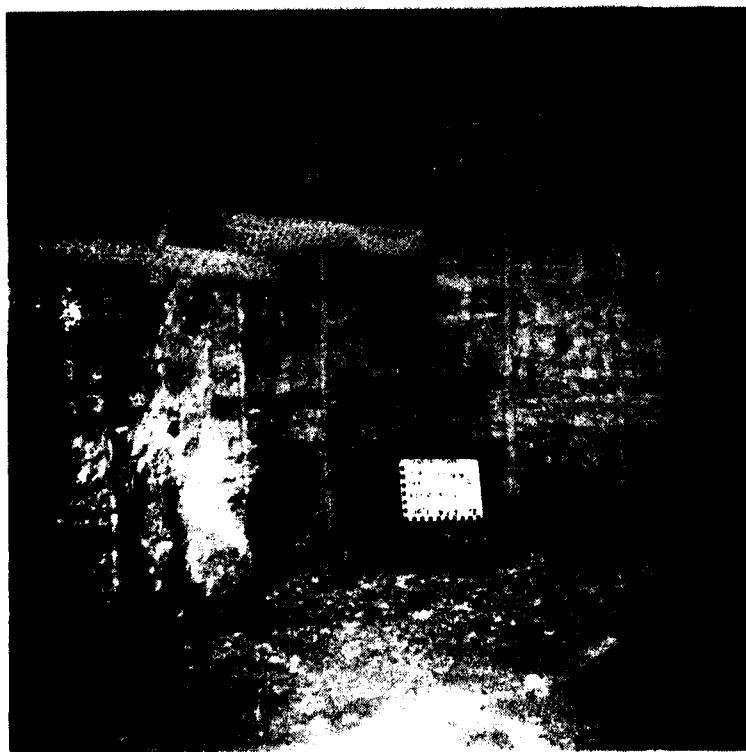
Cutoff wall, final foundation for concrete placement CW 1-2. Station 19+69, Centerline, Elevation 560 feet. 20 Sept. 1978.



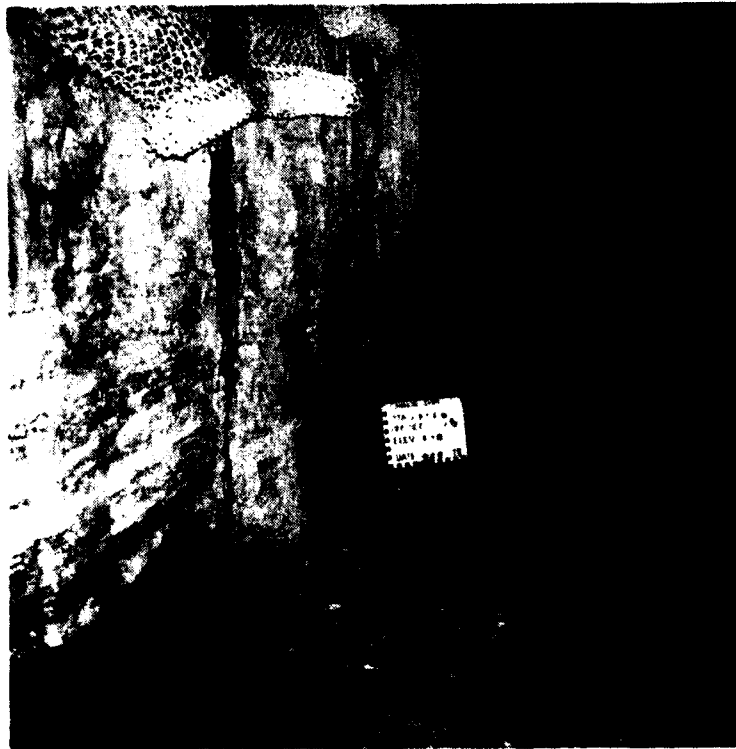
Cutoff wall, final foundation for concrete placement CW 1-2. Station 19+99, Centerline, Elevation 560 feet. 20 Sept. 1978.



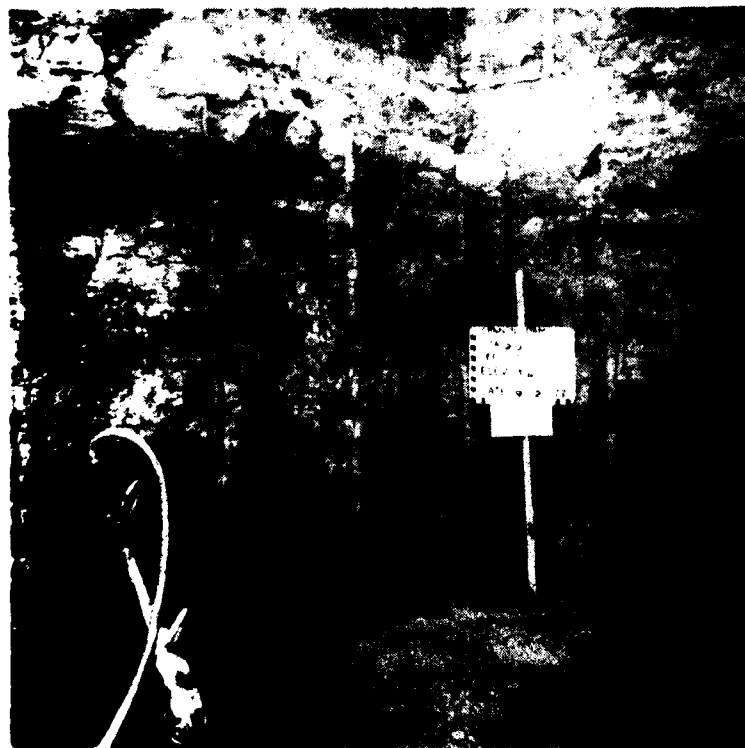
Cutoff wall, final foundation for concrete placement CW 1-2. Station 19+99, Elevation 560 feet. 20 Sept. 1978.



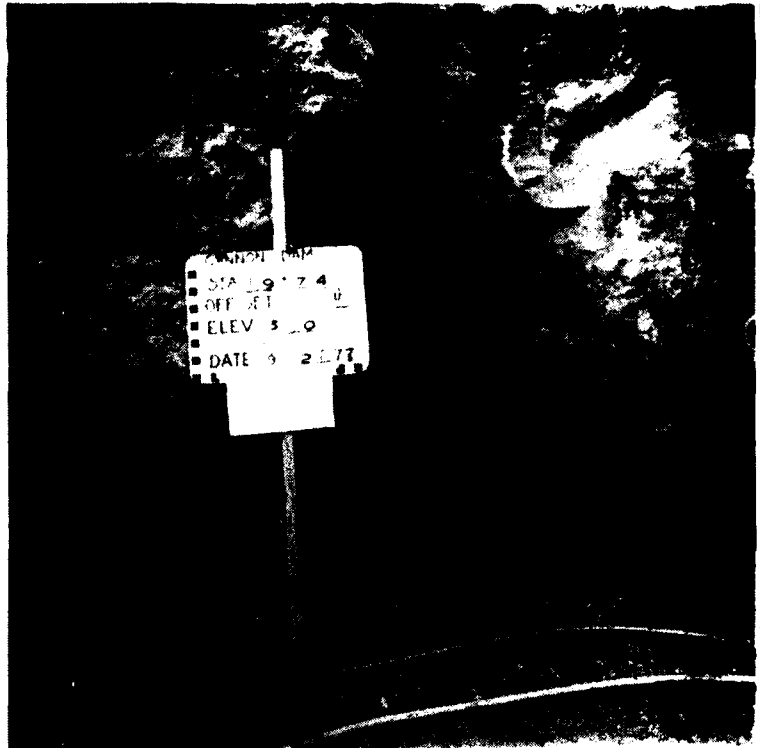
Cutoff wall, final foundation for concrete placement CW 1-3. Station 19+99, Elevation 570 feet. 23 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 1-3. Station 19+69, Elevation 570 feet. 23 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 1-4. Station 20+00, Elevation 580 feet. 26 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 1-4. Station 19+74, Elevation 580 feet. 26 Sept. 1978.



Left abutment cutoff wall, cavity #2, Station 19+75, Offset downstream, Elevation 578 feet. 26 Sept. 1978.



Left abutment cutoff wall, cavity #2, Station 19+75, Elevation 581 feet. 26 Sept. 1978.



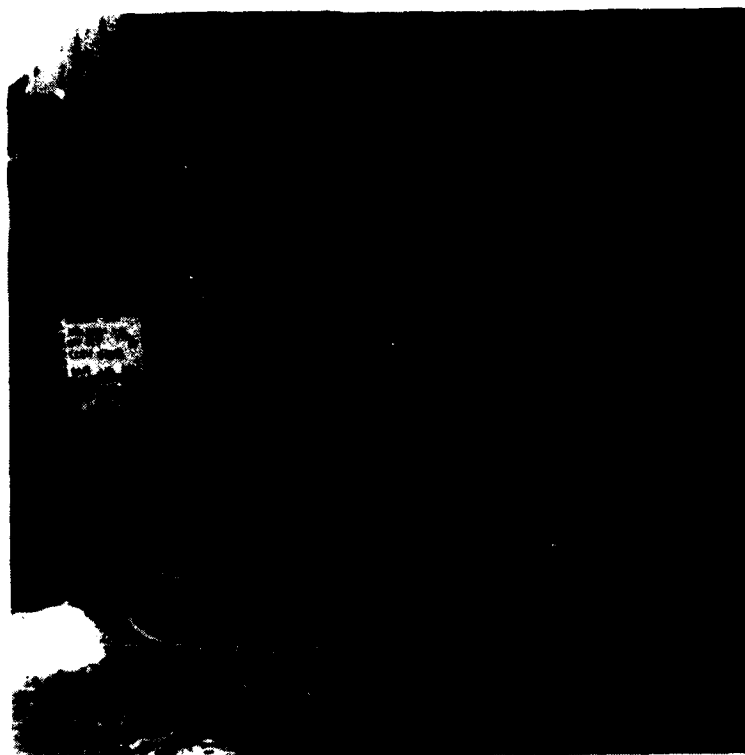
Left abutment cutoff wall, cavity #2, Station 19+75, Offset downstream, Elevation 590 feet. 26 Sept. 1978.



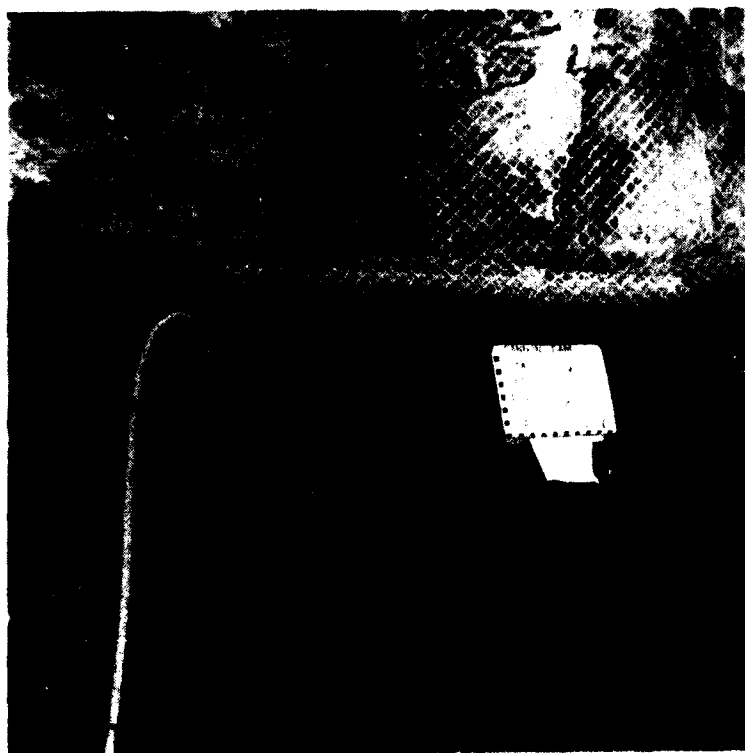
Left abutment cutoff wall, cavity #2, Station 19+75, Offset downstream, Elevation 590 feet. 26 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 1-4. Station 19+74, Elevation 580 feet. 26 Sept. 1978.



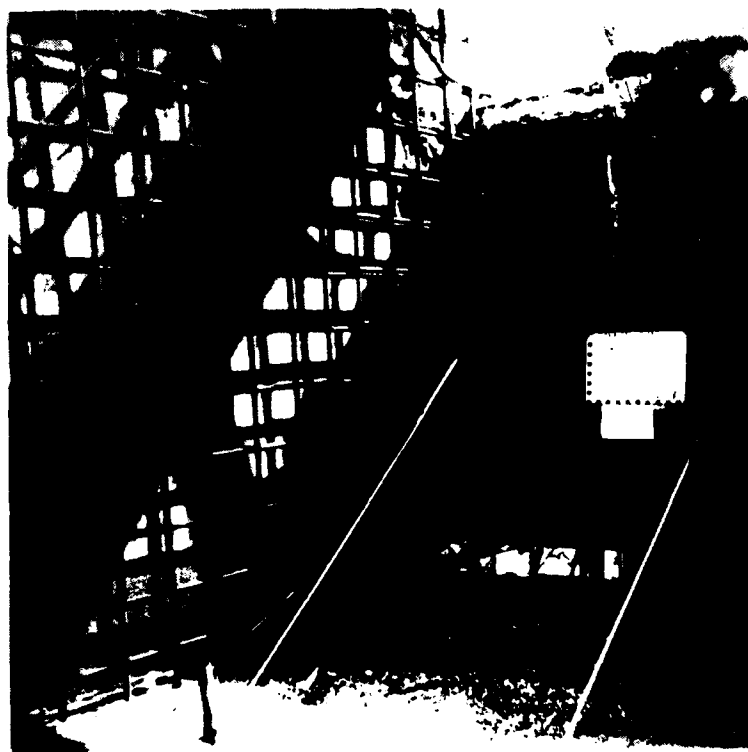
Cutoff wall, final foundation for concrete placement CW 1-5. Station 19+70, Elevation 590 feet, Offset upstream. 2 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 1-5. Station 19+90, Offset upstream, Elevation 590 feet. 2 Oct. 1978.



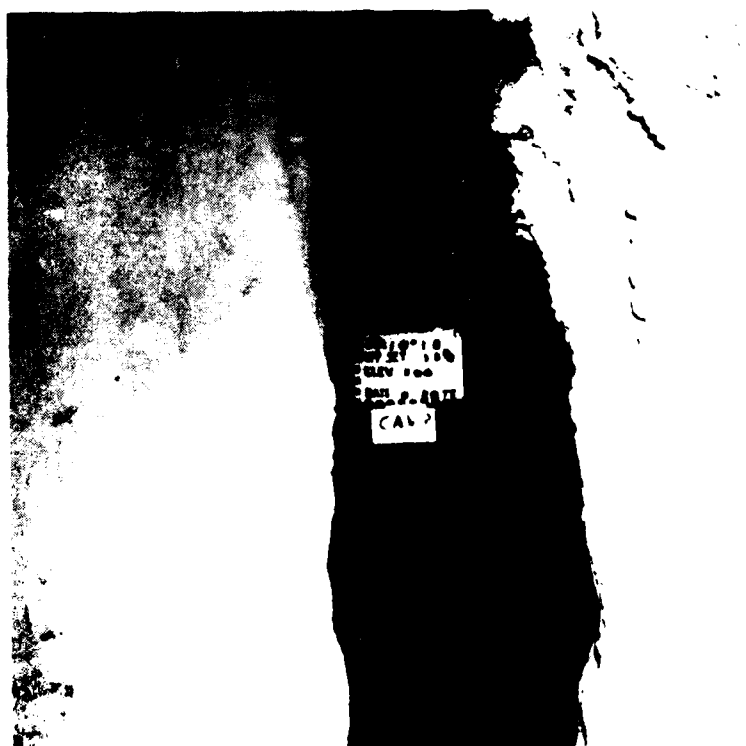
Cutoff wall, final foundation for concrete placement CW 1-5. Station 20+00, Offset upstream, Elevation 590 feet. 2 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 1-5. Station 19+70, Offset downstream, Elevation 590 feet. 2 Oct. 1978.



Left abutment cutoff wall, cavity #2, Station 19+75, Offset 25 feet downstream, Elevation 590 feet. 28 Sept. 1978.



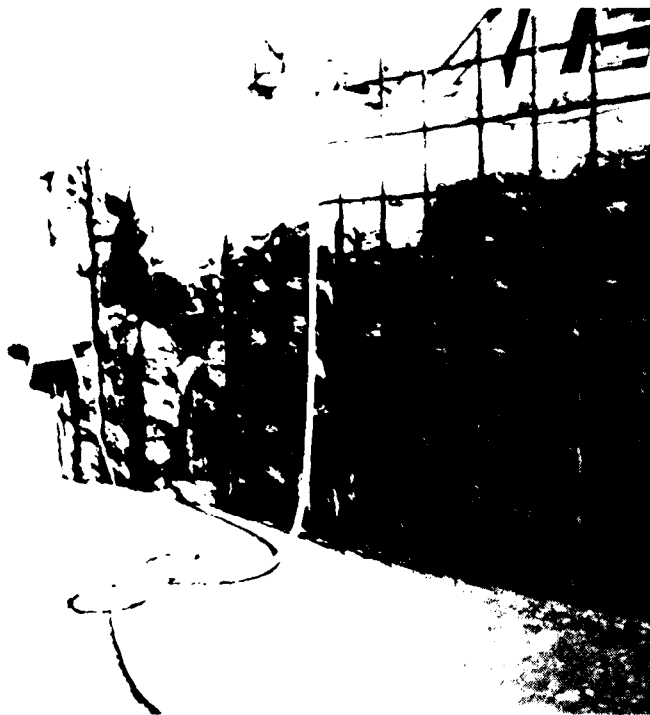
Left abutment cutoff wall, cavity #2, Station 19+75. Offset 35 feet downstream, Elevation 590 feet. 28 Sept. 1978.



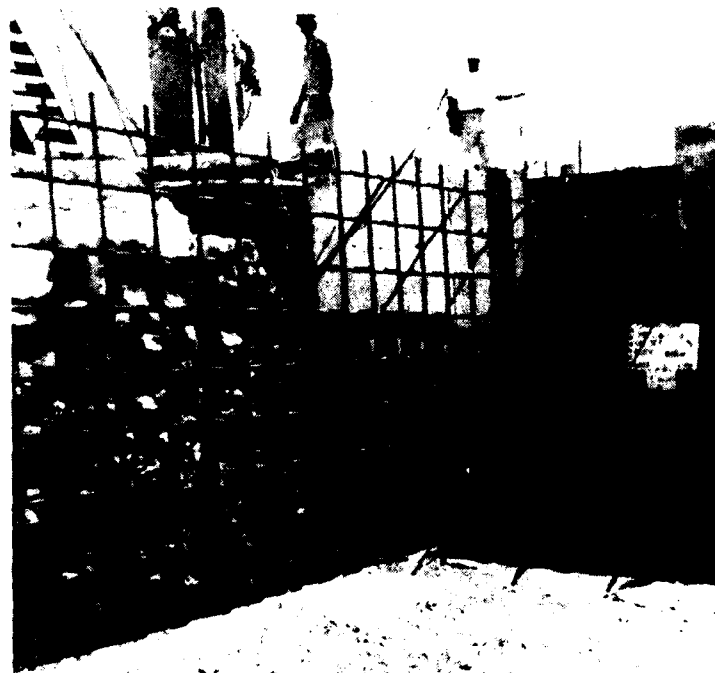
Left abutment cutoff wall, cavity #2, Station 19+75, Offset 35 feet downstream, Elevation 600 feet. 29 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 1-6. Station 20+00, Offset upstream, Elevation 600 feet. 4 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 1-6. Station 20+00, Offset downstream, Elevation 600 feet. 4 Oct. 1978.



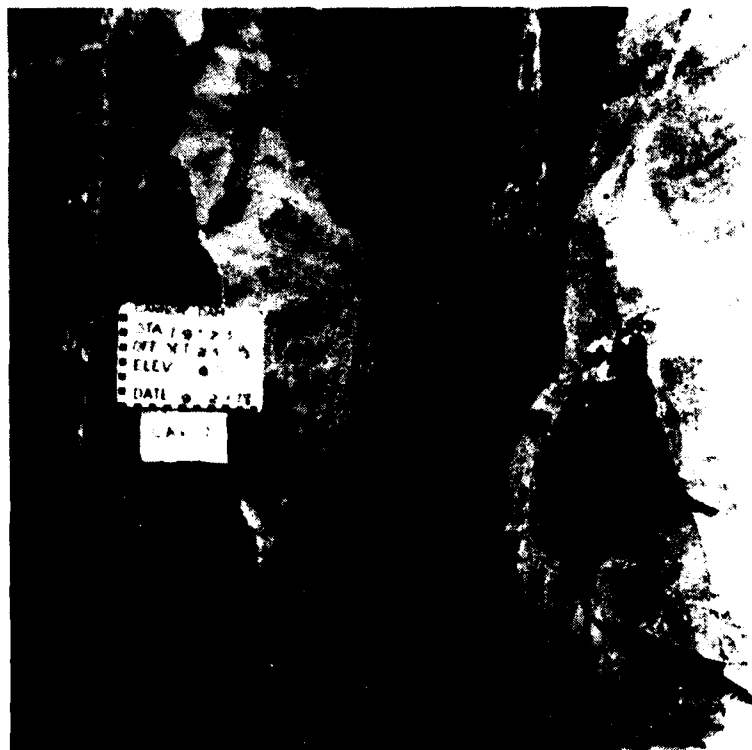
Cutoff wall, final foundation for concrete placement CW 1-6. Station 19+70, Offset downstream, Elevation 600 feet. 4 Oct. 1978.



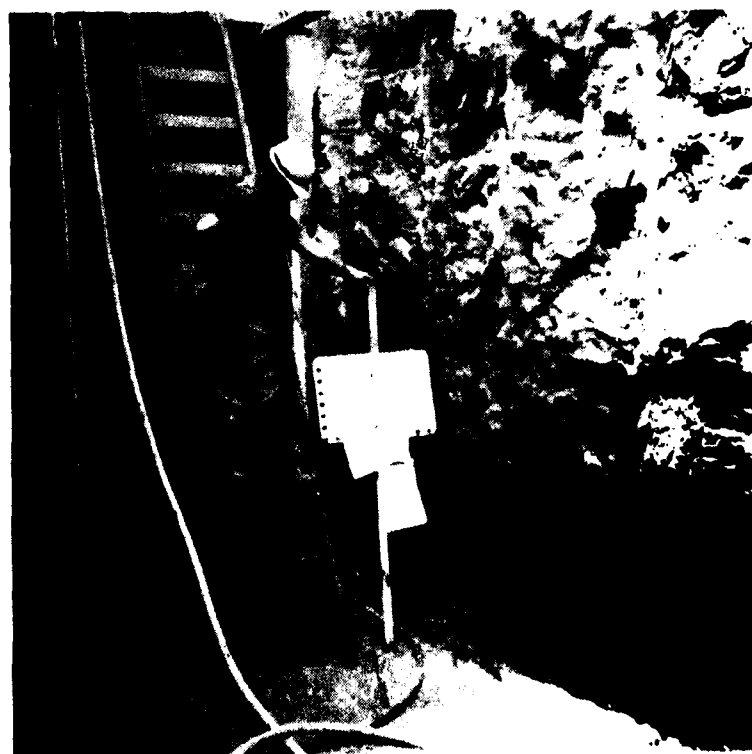
Left abutment cutoff wall, cavity #2, Station 19+75. Offset 25 feet downstream, Elevation 600 feet. 29 Sept. 1978.



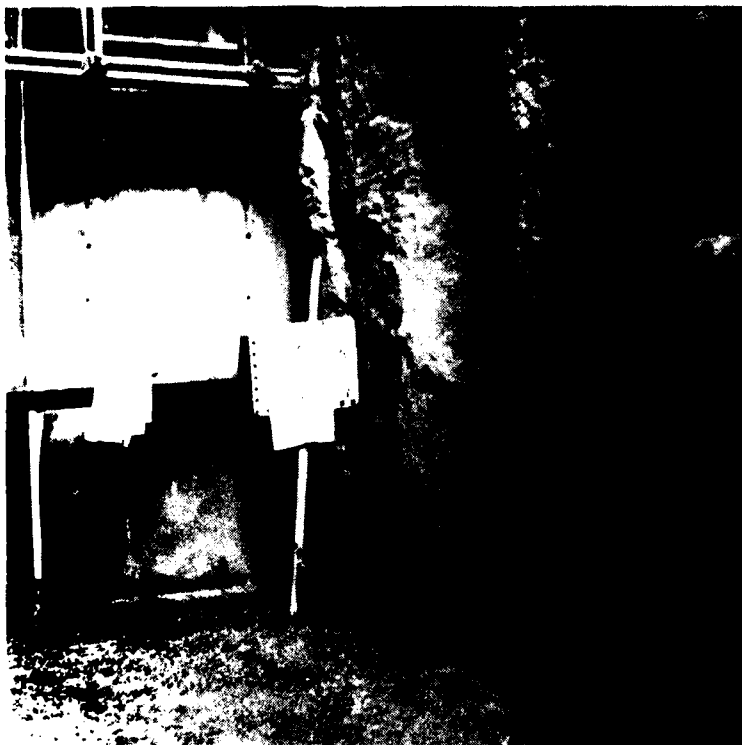
Left abutment cutoff wall, cavity #2, Station 19+75. Offset 25 feet downstream, Elevation 650 feet. Overview from 50 feet upstream looking downstream. 28 Sept. 1978.



Left abutment cutoff wall, cavity #2, Station 19+75, Offset 25 feet downstream, Elevation 600 feet. 29 Sept. 1978.



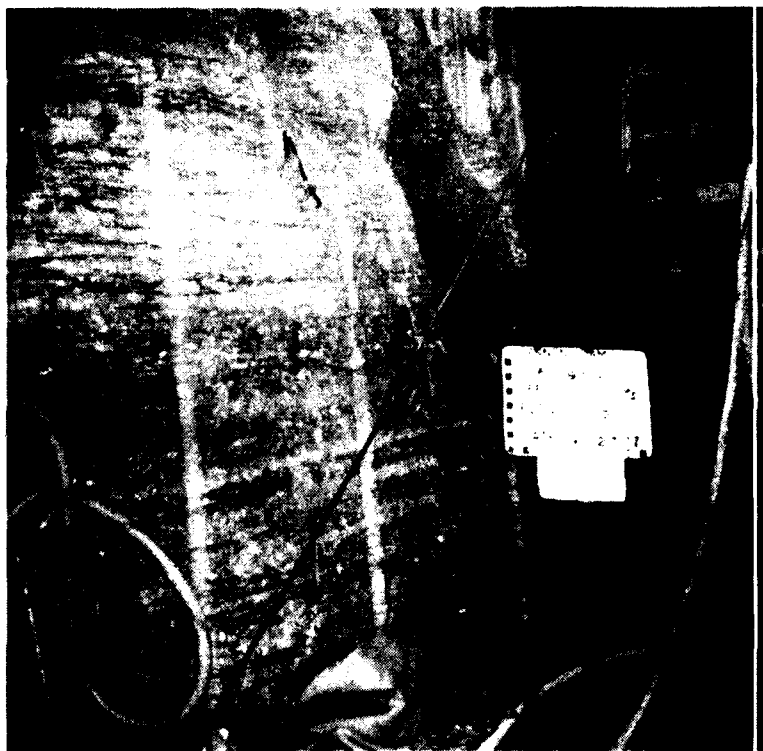
Cutoff wall, final foundation for concrete placement CW 2-1. Station 19+39, Offset upstream, Elevation 550 feet. 21 Sept. 1978.



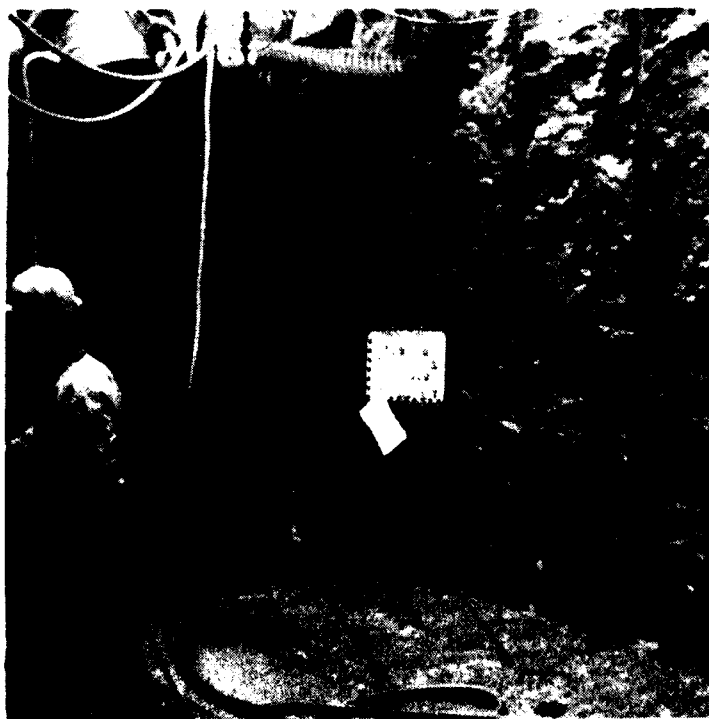
Cutoff wall, final foundation for concrete placement CW 2-1. Station 19+69, Offset downstream, Elevation 552 feet. 21 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 2-2. Station 19+70, Offset downstream, Elevation 560 feet. 27 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 2-2. Station 19+40, Offset downstream, Elevation 560 feet. 27 September 1978



Cutoff wall, final foundation for concrete placement CW 2-3. Station 19+40, Offset upstream, Elevation 570 feet. 3 October 1978



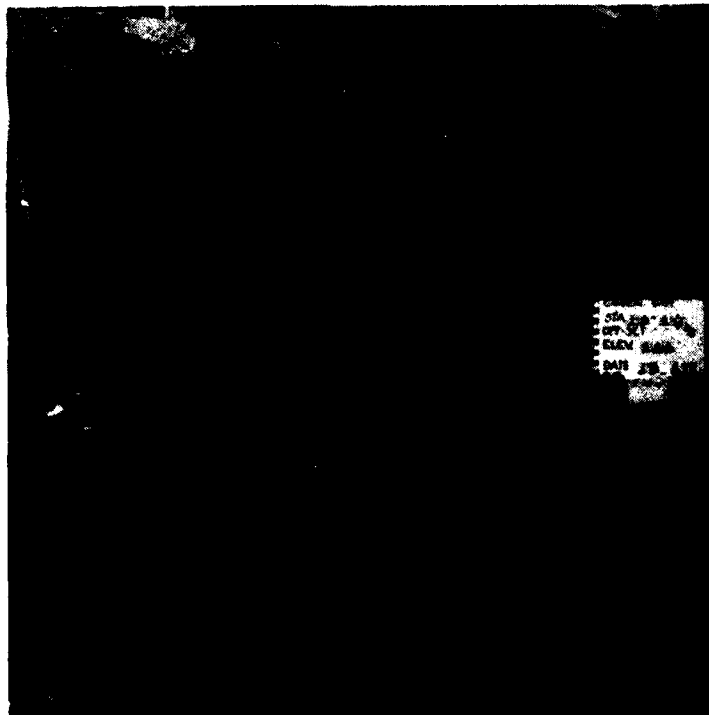
Cutoff wall, final foundation for concrete placement CW 2-3. Station 19+70, Offset downstream, Elevation 570 feet. 2 Oct. 1978.



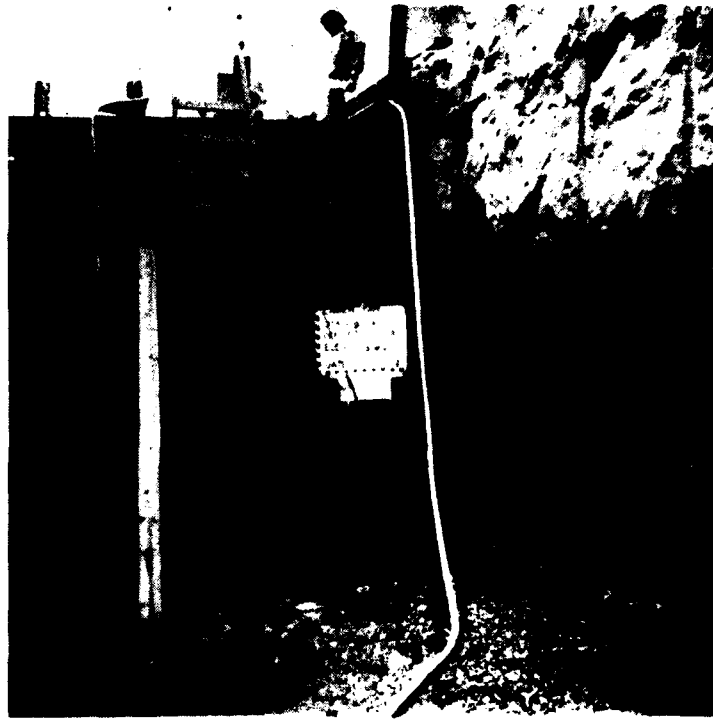
Cutoff wall, final foundation for concrete placement CW 2-4. Station 19+70, Offset upstream, Elevation 580 feet. 4 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 2-4. Station 19+70, Offset downstream, Elevation 580 feet. 4 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 2-3. Station 19+40, Offset downstream, Elevation 570 feet. 6 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 2-5. Station 19+40, Offset upstream, Elevation 590 feet. 11 Oct. 1978.



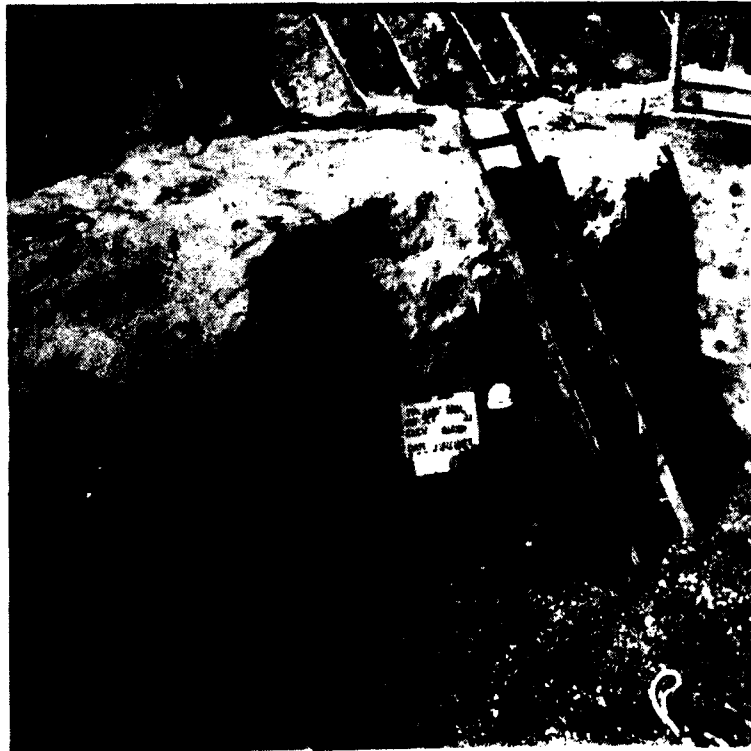
Cutoff wall, final foundation for concrete placement CW 2-5. Station 19+40 Offset downstream, Elevation 590 feet. 11 Oct. 1978.



Left abutment cutoff wall, cavity #1, Station 19+40, Offset 23 feet downstream, Elevation 587.9 feet. 2 Oct. 1978.



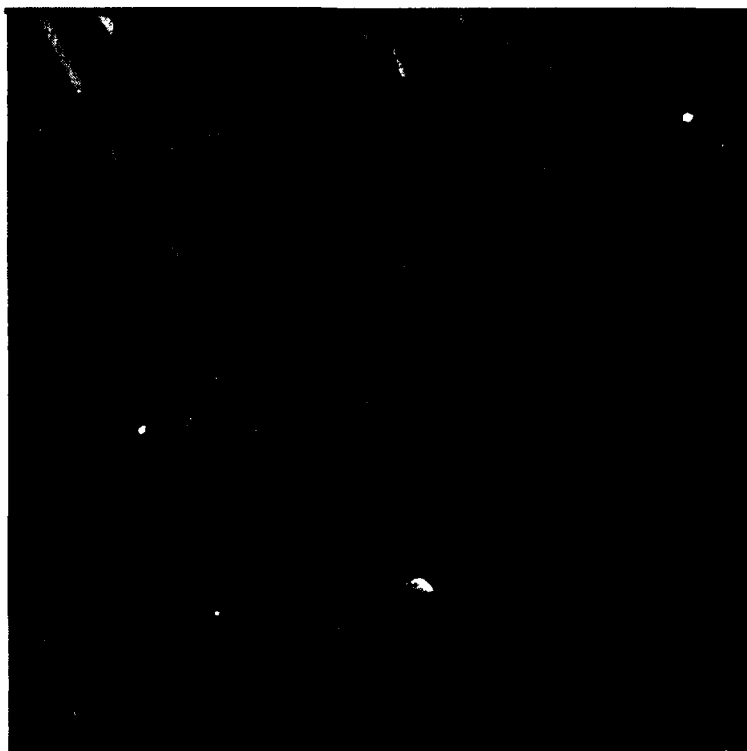
Left abutment cutoff wall, cavity #1, Station 19+40, Offset 23 feet downstream, Elevation 587.9 feet. 2 Oct. 1978.



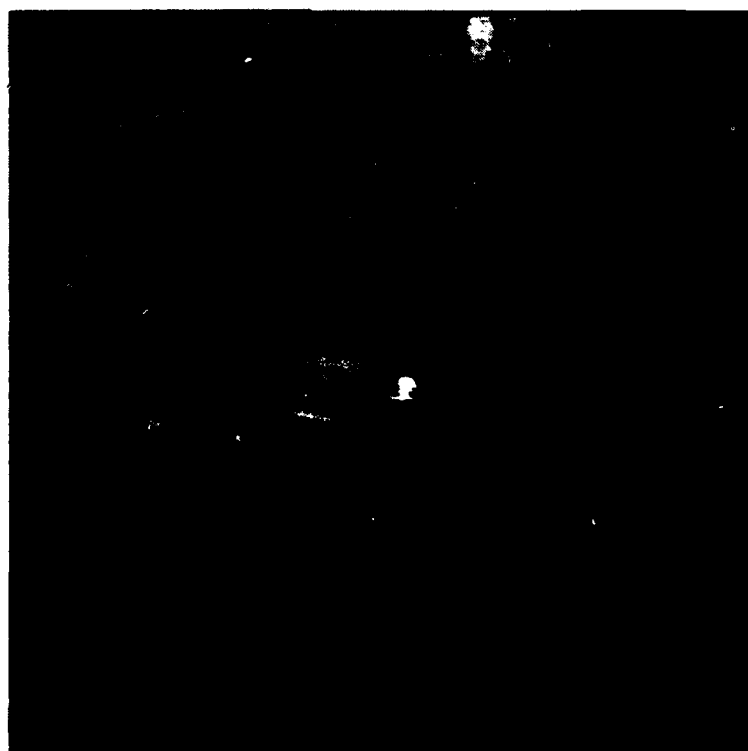
Cutoff wall, final foundation for concrete placement CW 2-6. Station 19+58, Offset upstream, Elevation 600 feet. 16 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 2-6. Station 19+58, Offset upstream, Elevation 600 feet. 16 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 2-6, Station 19+58, Offset downstream, Elevation 600 feet. 16 Oct. 1978.



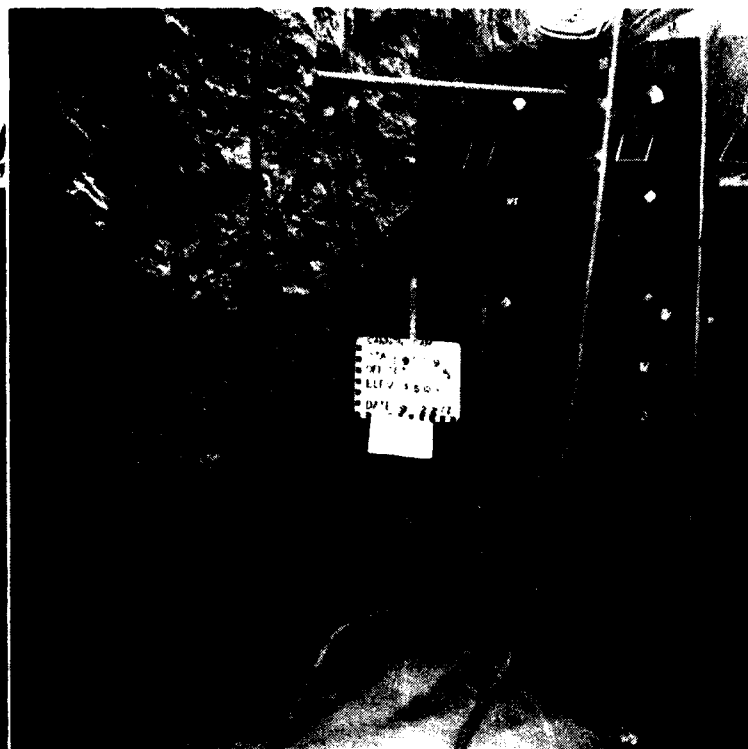
Cutoff wall, final foundation for concrete placement CW 2-6, Station 19+58, Offset downstream, elevation 600 feet. 16 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 2-6. Station 19+70, Offset downstream, Elevation 600 feet. 16 Oct. 1978.



Left abutment cutoff wall, cavity #1. Looking down upstream to downstream. 4 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 3-1. Station 19+39, Offset upstream, Elevation 550.5 feet. 22 Sept. 1978.



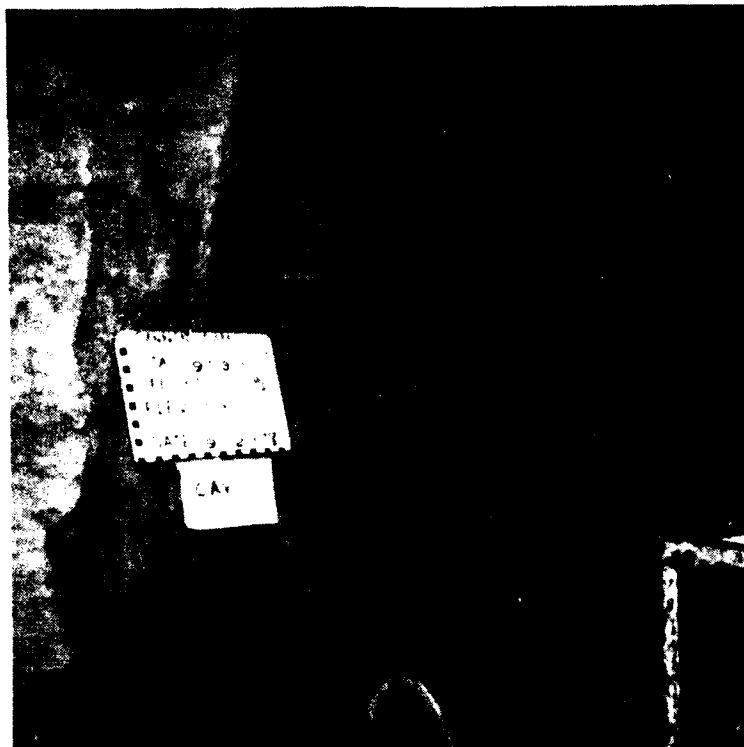
Cutoff wall, final foundation for concrete placement CW 3-1. Station 19+09, Offset downstream, Elevation 550.5 feet. 22 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 3-2. Station 19+40, Offset upstream, Elevation 560 feet. 28 Sept. 1978.



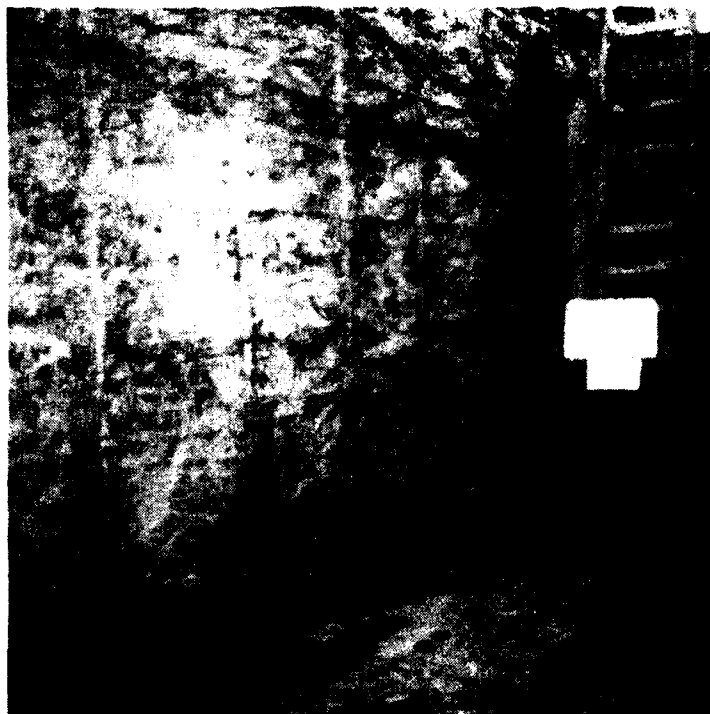
Cutoff wall, final foundation for concrete placement CW 3-2. Station 19+40, Offset downstream, Elevation 560 feet. 28 Sept. 1978.



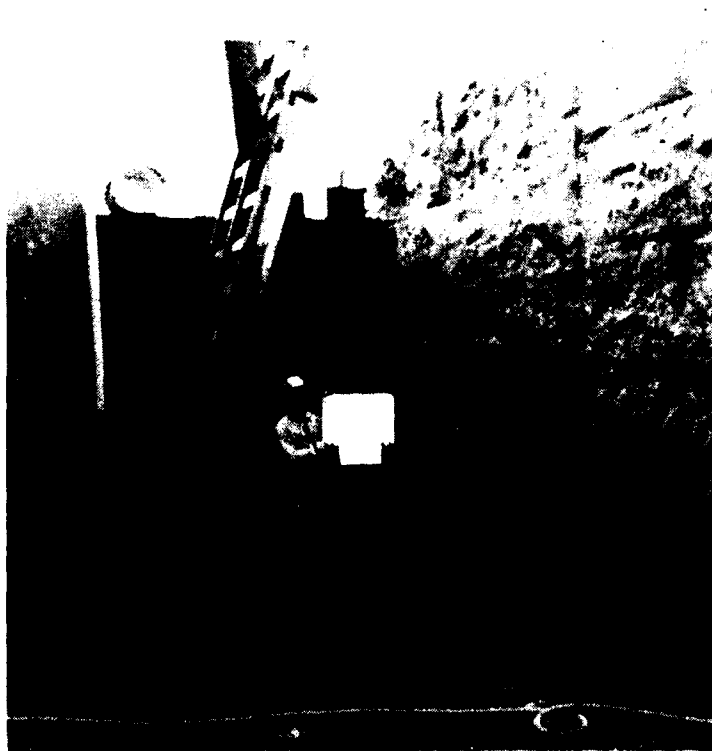
Left abutment cutoff wall, cavity #1, Station 19+37, Offset 15 feet downstream, Elevation 570 feet. 29 Sept. 1978.



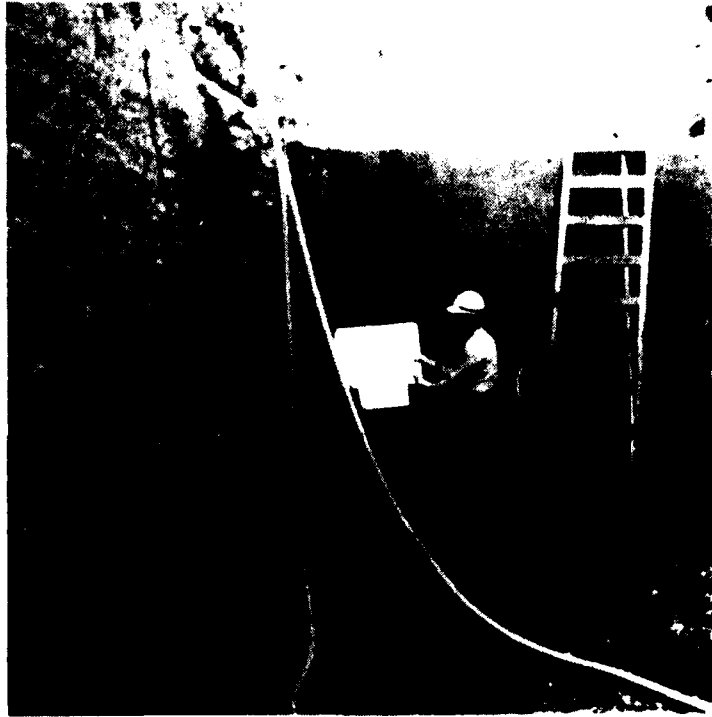
Left abutment cutoff wall, cavity #1, Station 19+37, Offset 15 feet downstream, Elevation 570 feet. 29 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 3-3. Station 19+10, Offset downstream, Elevation 570 feet. 4 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 3-4. Station 19+09, Offset upstream, Elevation 580 feet. 9 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 3-4. Station 19+40, Offset upstream, Elevation 580 feet. 9 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 3-4. Station 19+40, Offset upstream, Elevation 580 feet. 9 Oct. 1978.



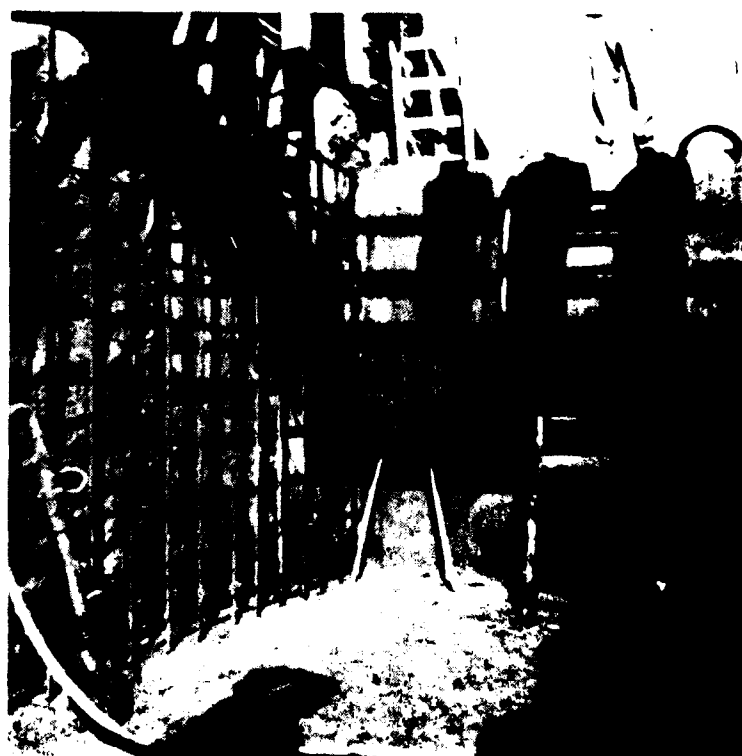
Cutoff wall, final foundation for concrete placement CW 3-4. Station 19+40, Offset downstream, Elevation 580 feet. 9 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 3-4. Station 19+09, Offset downstream, Elevation 580 feet. 9 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 3-5. Station 19+10, Offset upstream, Elevation 590 feet. 13 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 3-5. Station 19+40, Offset upstream, Elevation 590 feet. 13 Oct. 1978.



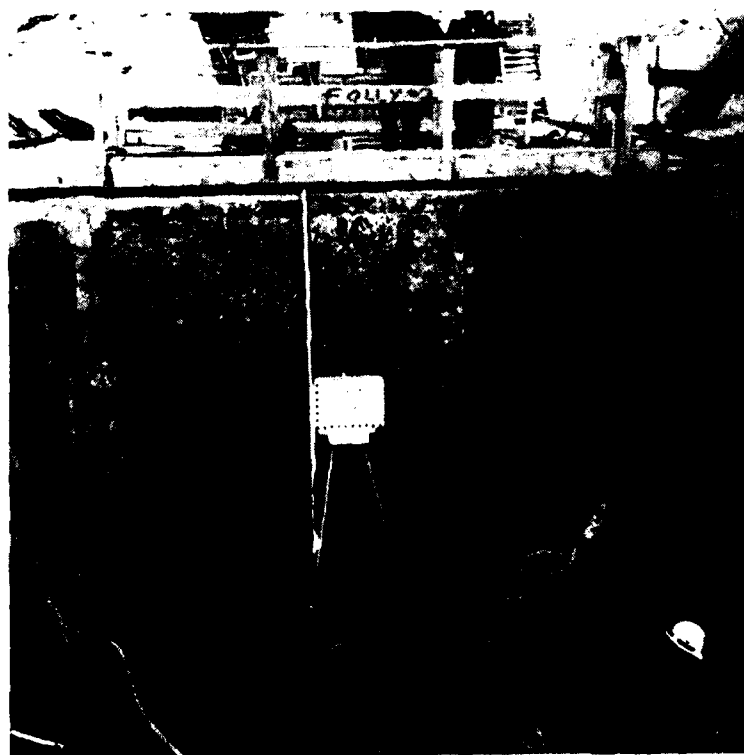
Cutoff wall, final foundation for concrete placement CW 3-5. Station 19+40, Offset downstream, Elevation 590 feet. 13 Oct. 1978.



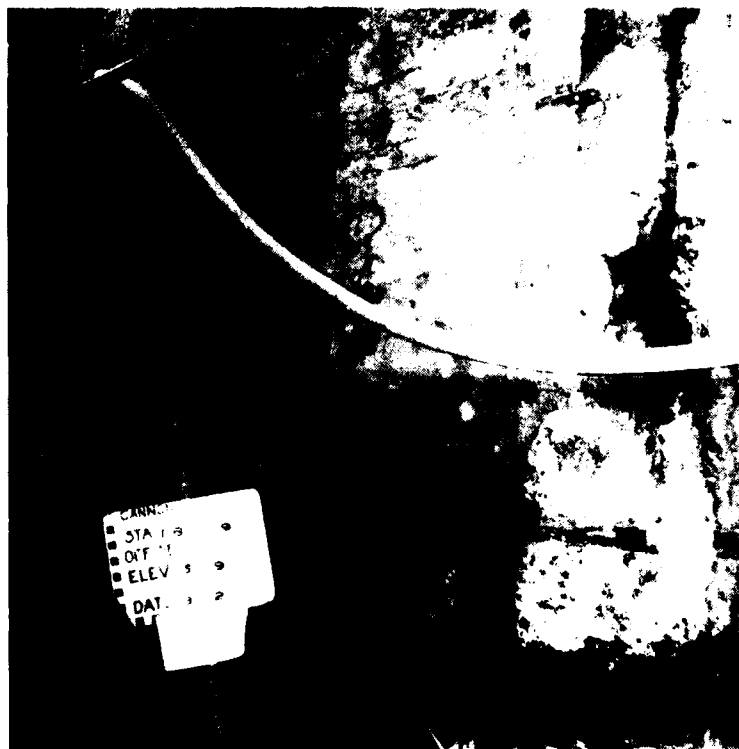
Cutoff wall, final foundation for concrete placement CW 3-6. Station 19+10, Offset upstream, Elevation 600 feet. 18 Oct. 1978.



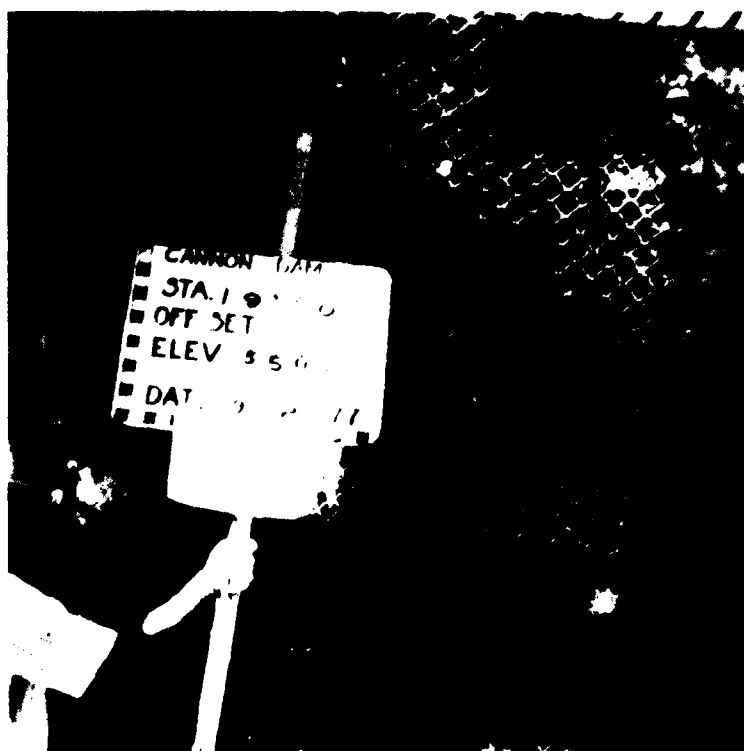
Cutoff wall, final foundation for concrete placement CW 3-6. Station 19+40, Offset upstream, Elevation 600 feet. 18 Oct. 1978.



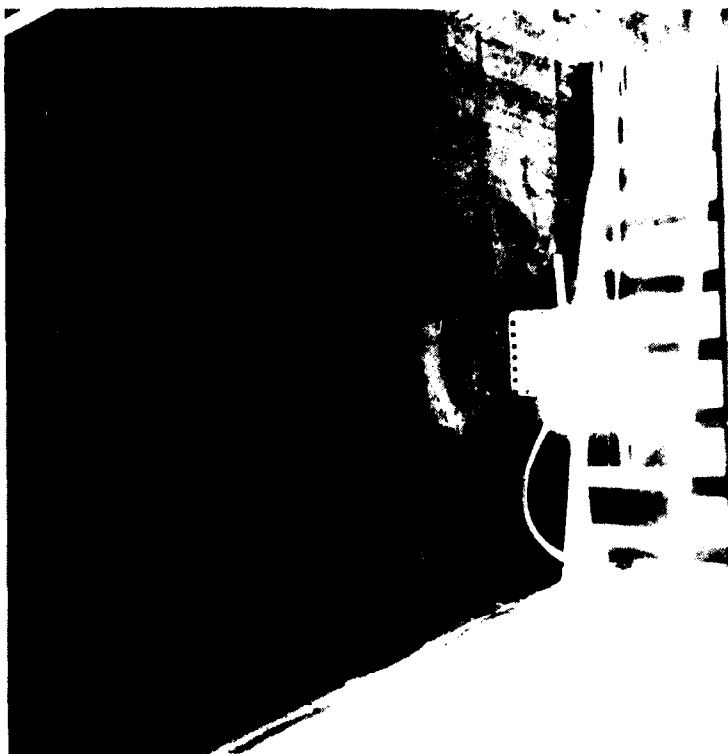
Cutoff wall, final foundation for concrete placement CW 3-6. Station 19+40, Offset downstream, Elevation 600 feet. 18 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 4-1. Station 18+79, Offset downstream, Elevation 549 feet. 25 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 4-1. Station 19+00, Offset upstream, Elevation 550.5 feet. 25 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 4-1. Station 19+09, Offset upstream, Elevation 550.5 feet. 25 Sept. 1978.



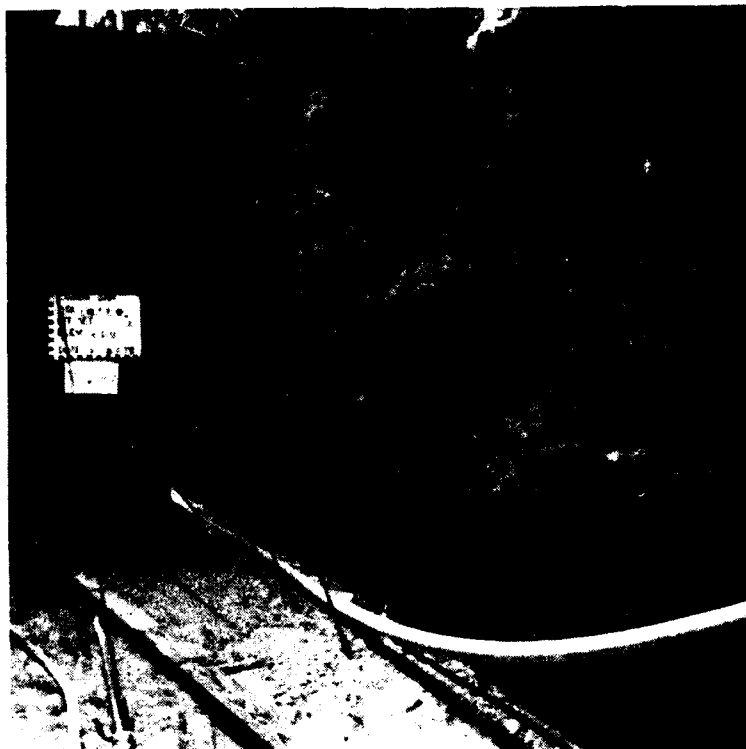
Cutoff wall, final foundation for concrete placement CW 4-1. Station 19+09, Offset downstream, Elevation 550.5 feet. 25 Sept. 1978.



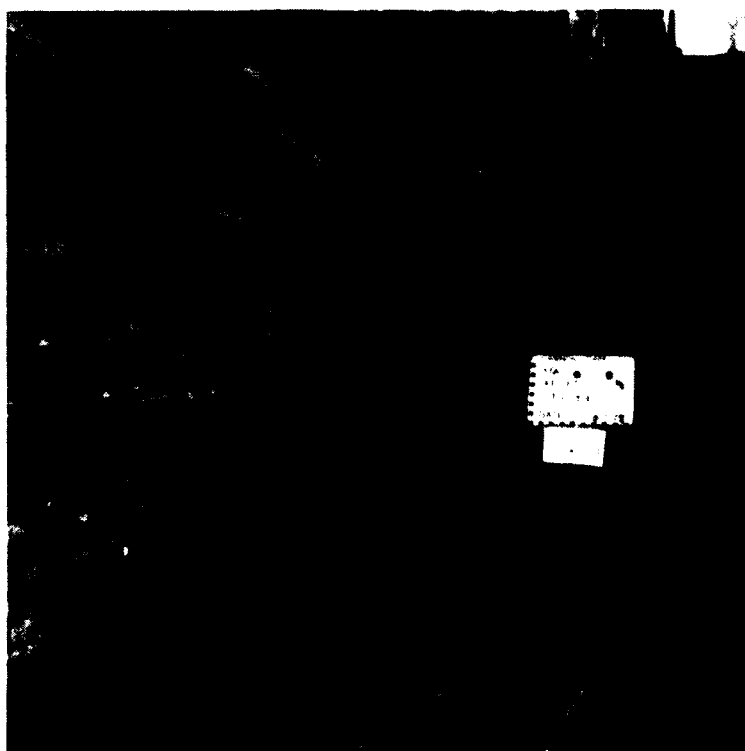
Cutoff wall, final foundation for concrete placement CW 4-1. Station 18+79, Offset downstream, Elevation 549 feet. 25 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 4-2. Station 19+09, Offset upstream, Elevation 560 feet. 30 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 4-2. Station 18+79, Offset upstream, Elevation 560 feet. 30 Sept. 1978.



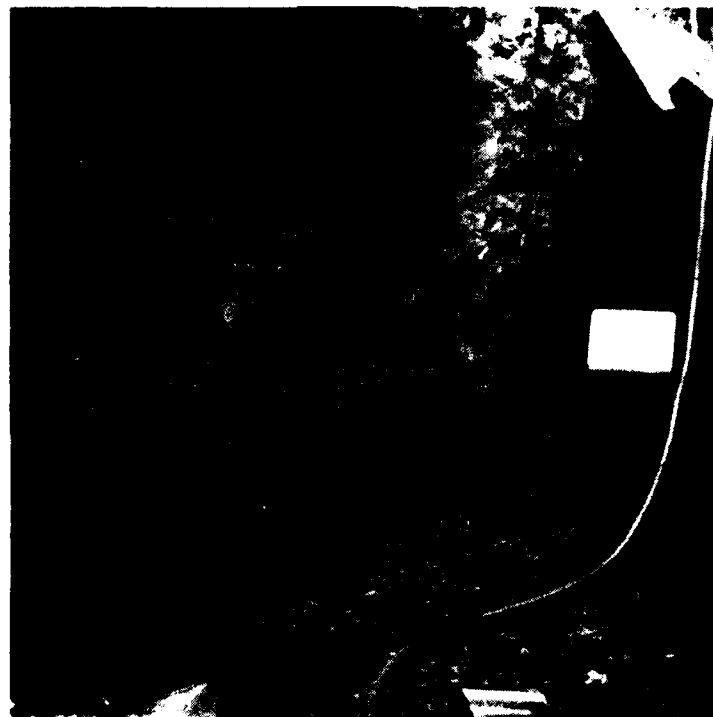
Cutoff wall, final foundation for concrete placement CW 4-2. Station 18+79, Offset downstream, Elevation 560 feet. 30 Sept. 1978.



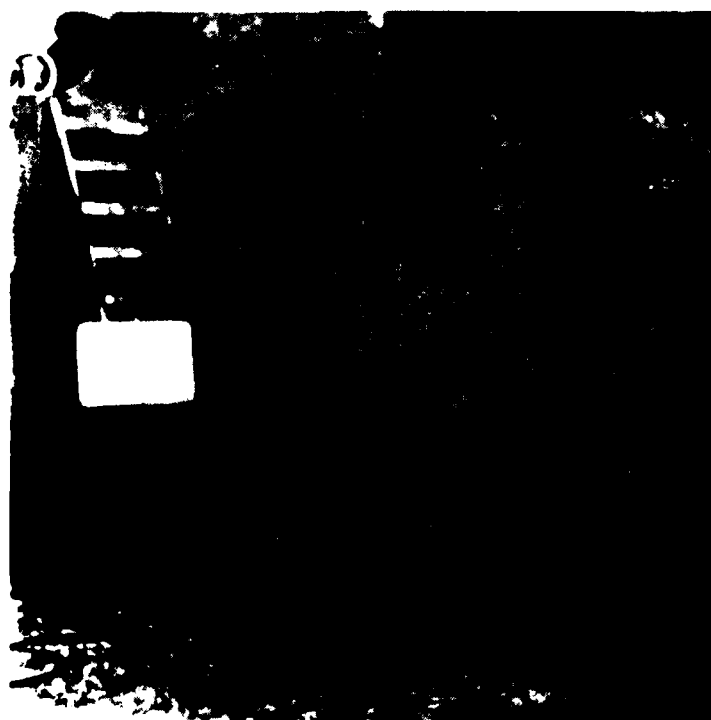
Cutoff wall, final foundation for concrete placement CW 4-2. Station 19+09, Offset downstream, Elevation 560 feet. 30 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 4-3. Station 18+80, Offset upstream, Elevation 570 feet. 6 Oct. 1978.



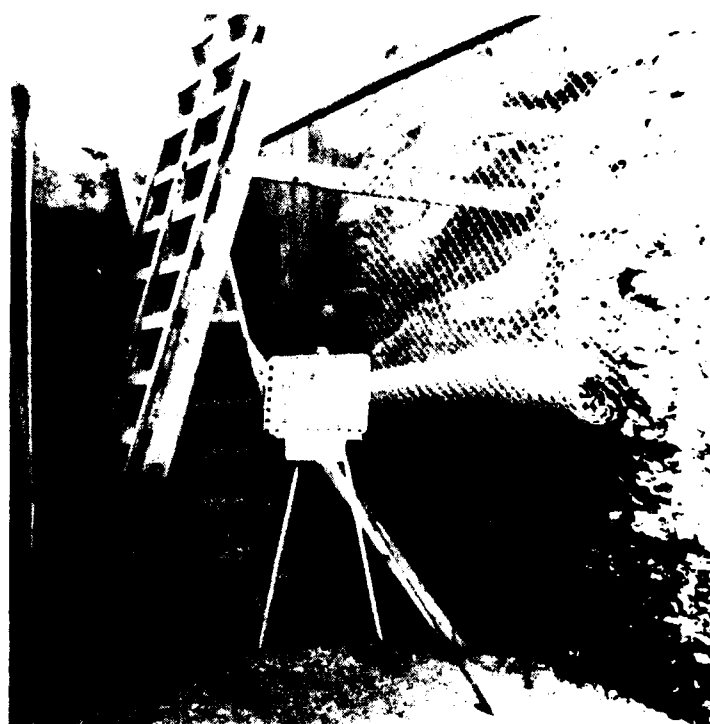
Cutoff wall, final foundation for concrete placement CW 4-3. Station 19+10, Offset upstream, Elevation 570 feet. 6 October 1978



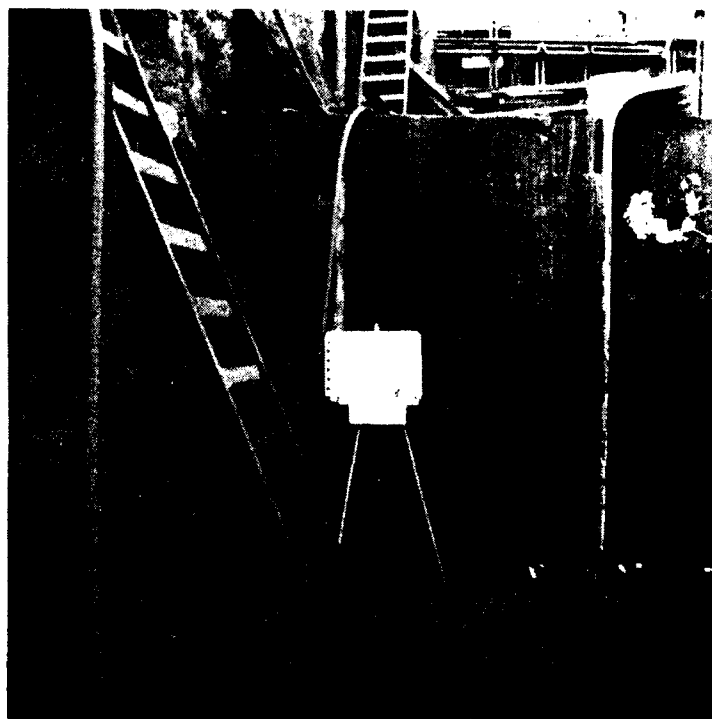
Cutoff wall, final foundation for concrete placement CW 4-3. Station 19+10, Offset downstream, Elevation 570 feet. 6 October 1978



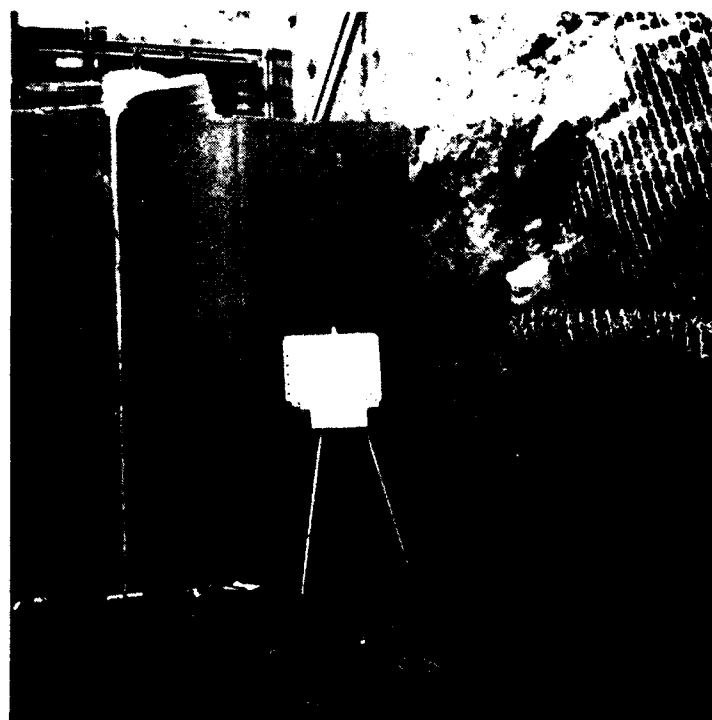
Cutoff wall, final foundation for concrete placement CW 4-3. Station 18+80, Offset downstream, Elevation 570 feet. 6 Oct. 1978.



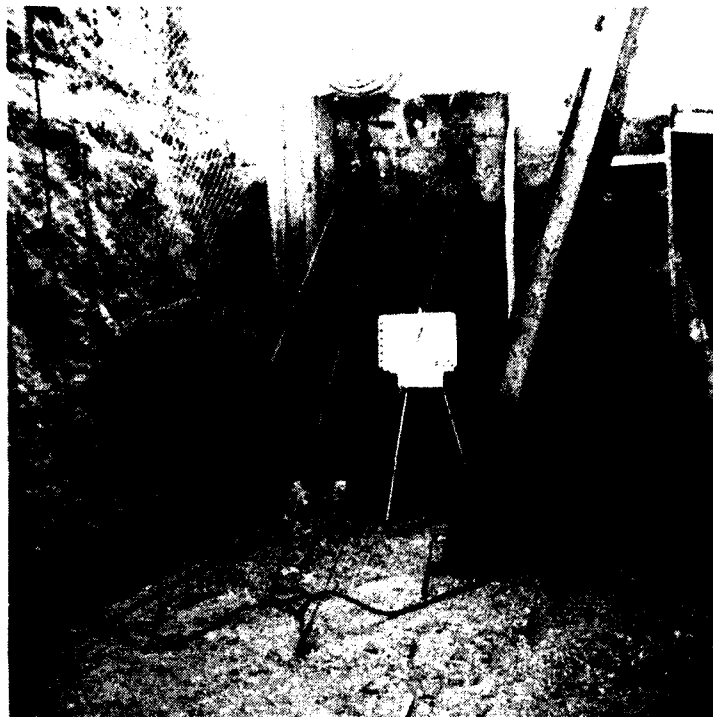
Cutoff wall, final foundation for concrete placement CW 4-4. Station 18+80 Offset upstream, Elevation 580 feet. 12 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 4-4. Station 19+10, Offset upstream, Elevation 580 feet. 12 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 4-4. Station 19+10, Offset downstream, Elevation 580 feet. 12 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 4-4. Station 18+80, Offset downstream, Elevation 580 feet. 12 Oct. 1978.



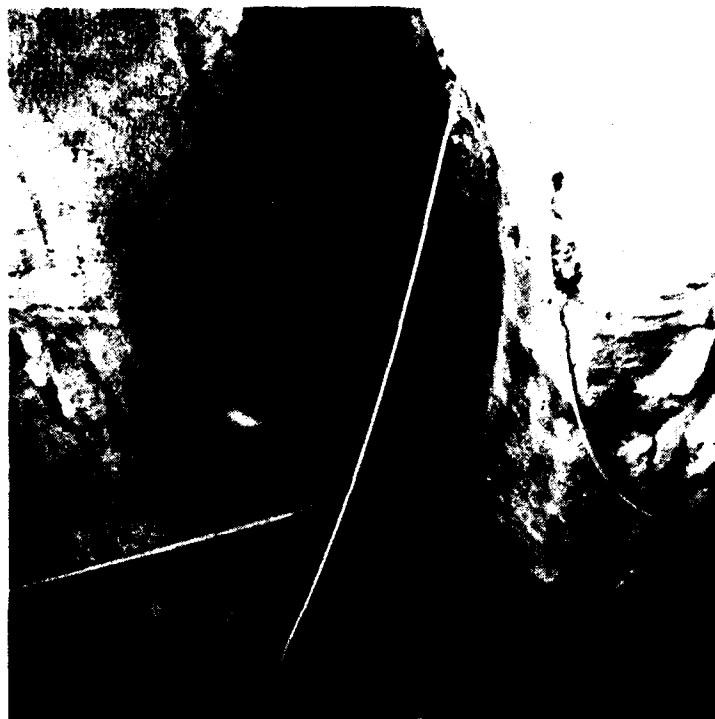
Left abutment cutoff wall. cavity #1. Looking down from top of cutoff trench into cavity, base of cavity elevation 600 feet. 12 Oct. 1978.



Left abutment cutoff wall, cavity #1, Station 19+20, Offset upstream, Elevation 600 feet. 12 Oct. 1978.



Left abutment cutoff wall, cavity #1, Station 19+20, Offset upstream, Elevation 600 feet. Looking at southwest face. 12 Oct. 1978.



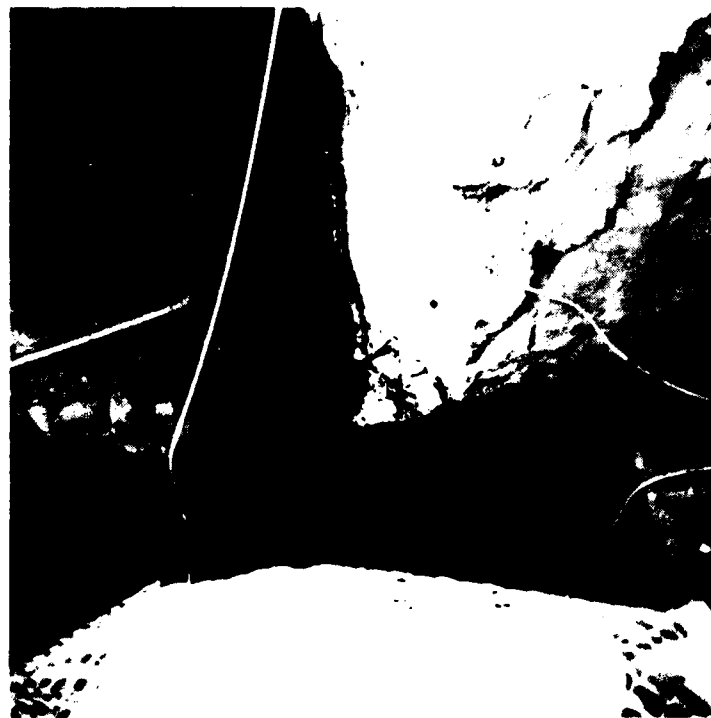
Left abutment cutoff wall, cavity#6, Station 19+00, Offset upstream,
Elevation 580-590 feet. 12 Oct. 1978.



Left abutment cutoff wall, cavity#6, Station 19+00, Offset upstream,
Elevation 580-590 feet. 12 Oct. 1978.



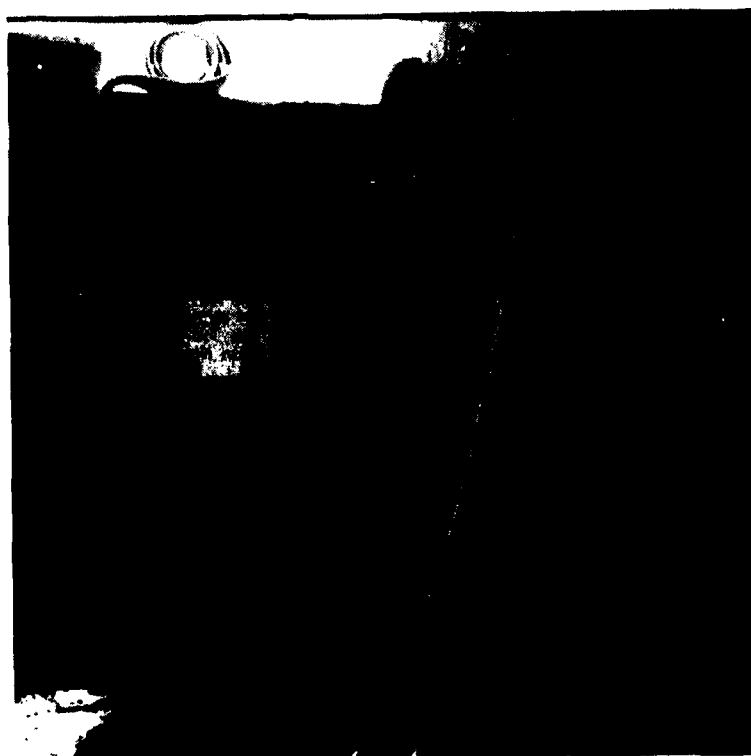
Left abutment cutoff wall, cavity #1, Station 19+20, Offset upstream,
Elevation 600 feet. 12 Oct. 1978.



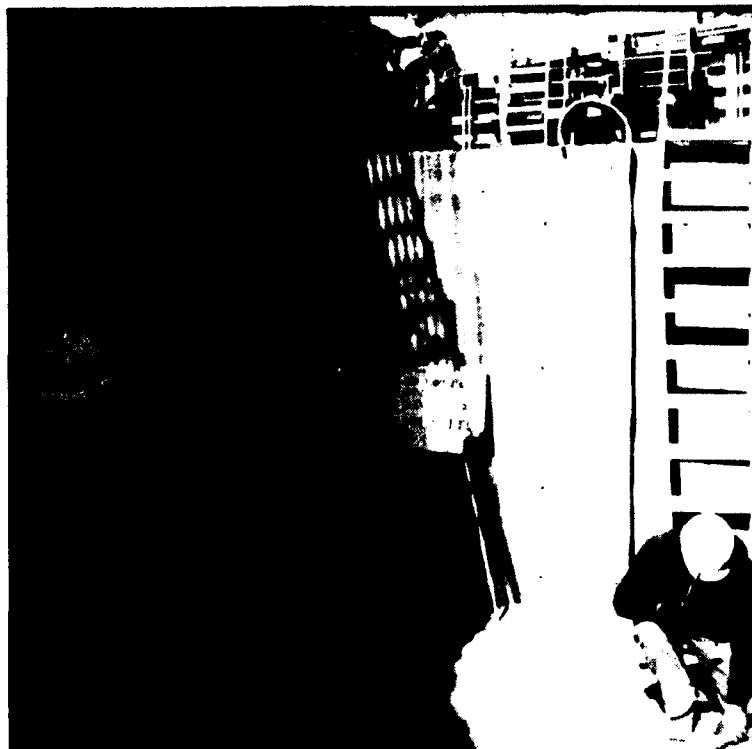
Left abutment cutoff wall, cavity #6, Station 19+00, Offset upstream,
Elevation 580 feet. 12 Oct. 1978.



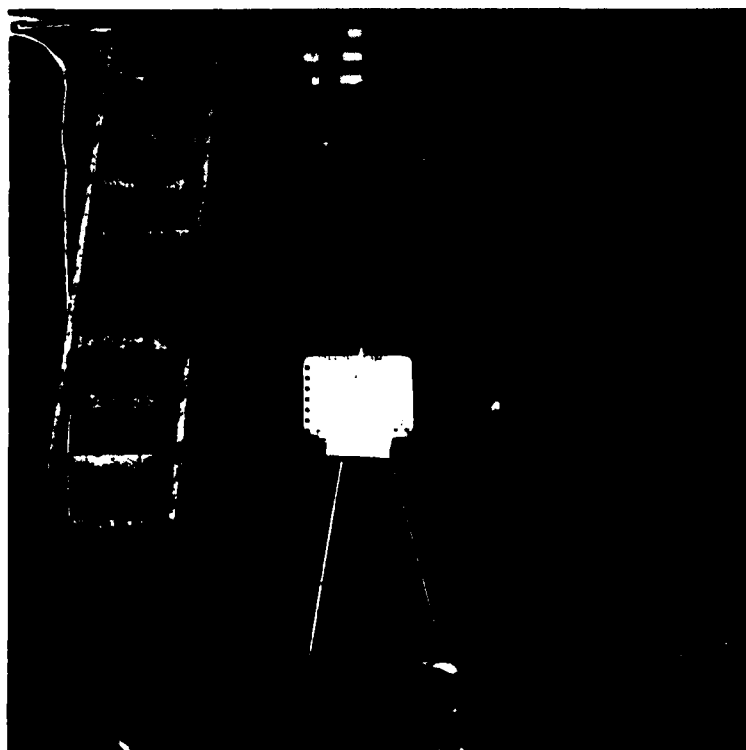
Left abutment cutoff wall, cavity#6, Station 19+00. Offset upstream, Elevation 610 bench. 12 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 4-5. Station 18+80, Offset upstream, Elevation 590-600 feet. 17 Oct. 1978.



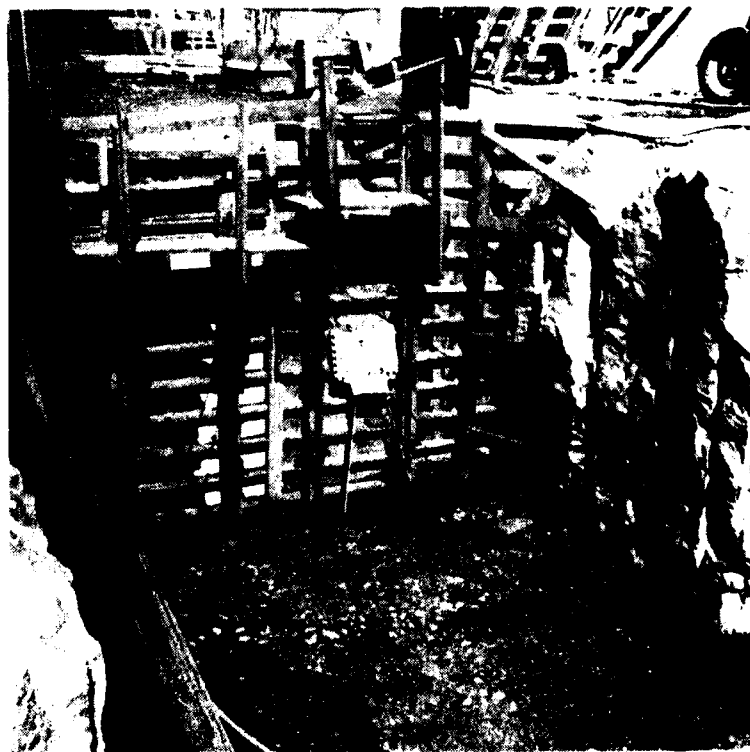
Cutoff wall, final foundation for concrete placement CW 4-5. Station 19+10, Offset upstream, Elevation 590-600 feet. 17 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 4-5. Station 19+10, Offset downstream, Elevation 590-600 feet. 17 Oct. 1978.



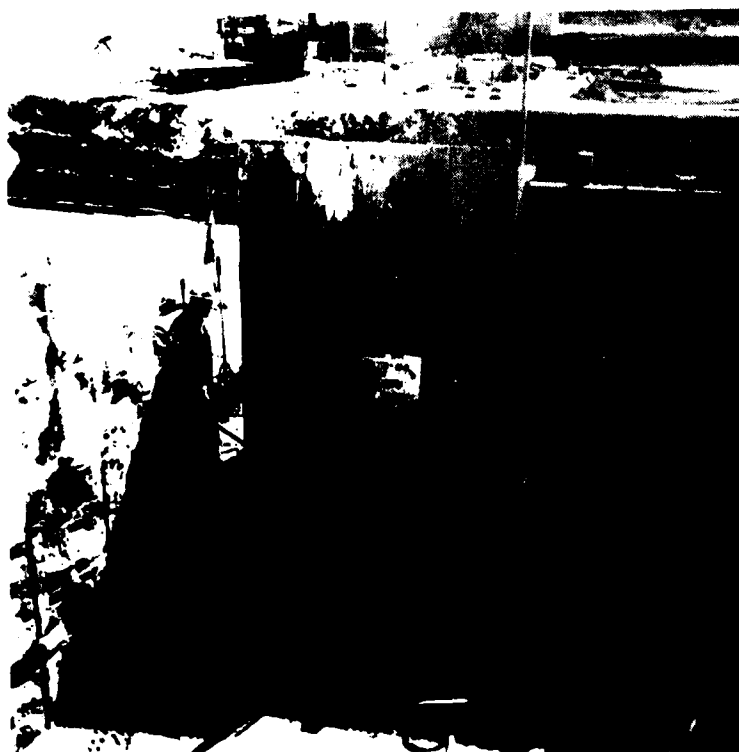
Cutoff wall, final foundation for concrete placement CW 4-6. Station 18+80, Offset upstream, Elevation 600-610 feet. 20 Oct. 1978.



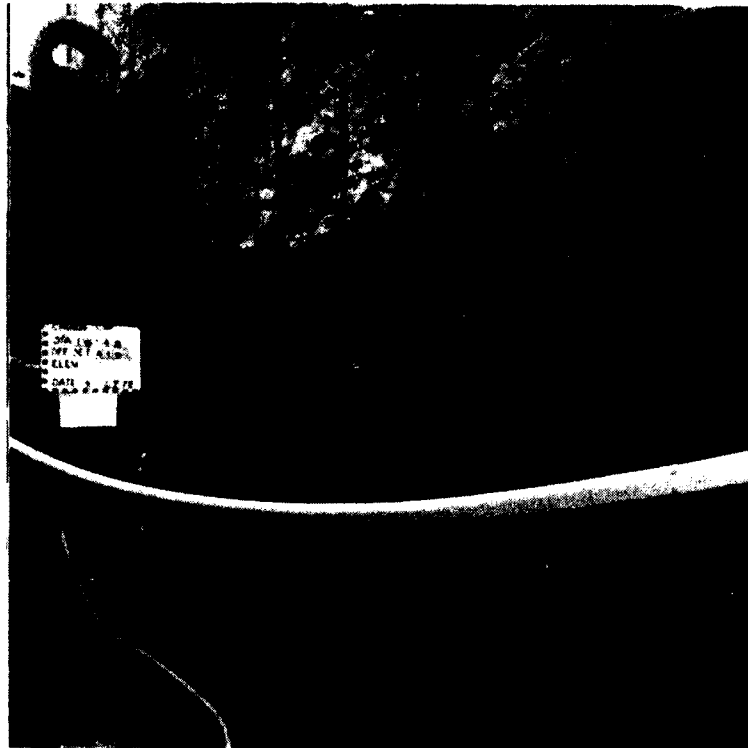
Cutoff wall, final foundation for concrete placement CW 4-6. Station 19+10, Offset downstream, Elevation 600-610 feet. 20 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 4-6. Station 19+00, Offset downstream, Elevation 600-610 feet. 20 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 4-6. Station 18+80, Offset downstream, Elevation 600-610 feet. 20 Oct. 1978.



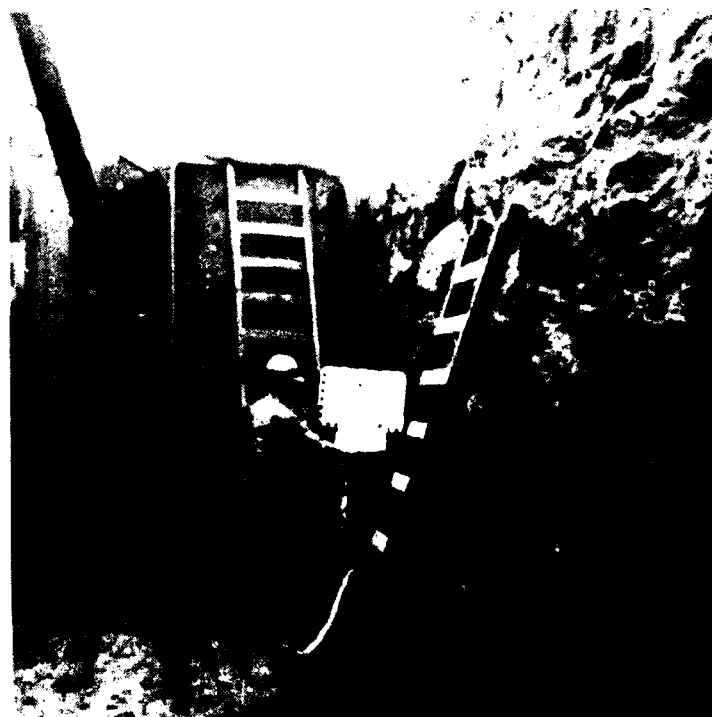
Cutoff wall, final foundation for concrete placement CW 5-1. Station 18+43, Offset upstream, Elevation 449 feet. 27 Sept. 1978.



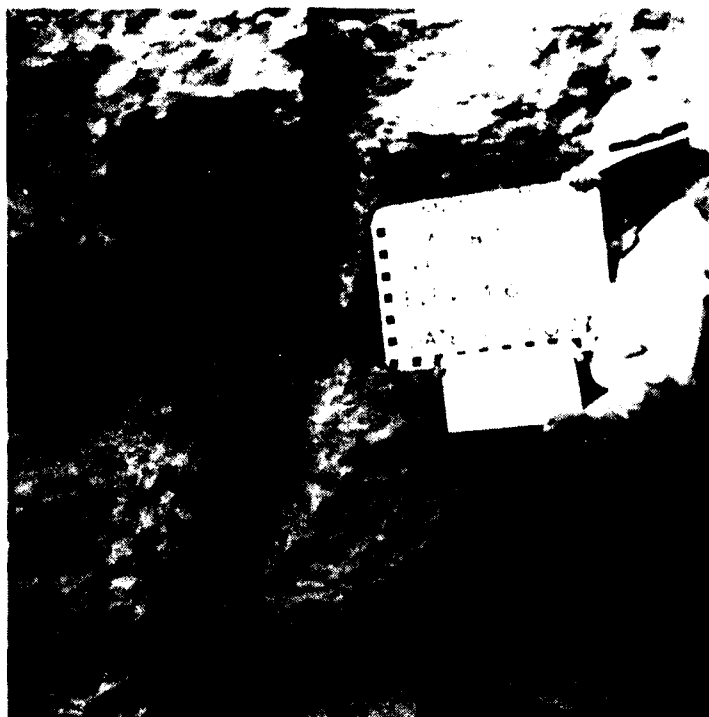
Cutoff wall, final foundation for concrete placement CW 5-1. Station 18+79, Offset upstream, Elevation 449 feet. 27 Sept. 1978.



Cutoff wall, final foundation for concrete placement CW 5-1. Station 18+43, Offset downstream, Elevation 449 feet. 27 Sept. 1978.



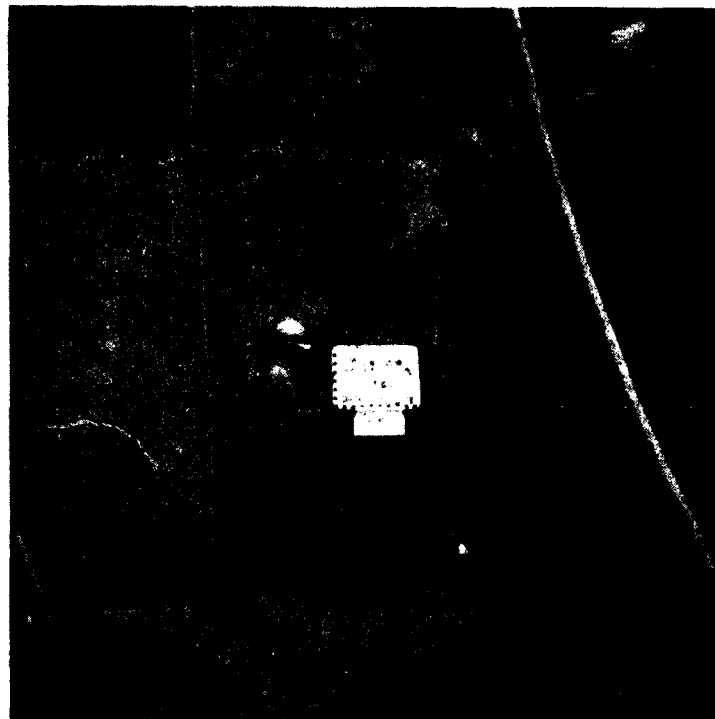
Cutoff wall, final foundation for concrete placement CW 5-2. Station 18+43, Offset upstream, Elevation 560-570 feet. 10 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 5-2. Station 18+58, Offset upstream, Elevation 560-570 feet. 10 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 5-2. Station 18+58, Offset upstream, Elevation 560-570 feet. 10 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 5-2. Station 18+79, Offset downstream, Elevation 560-570 feet. 10 Oct. 1978.



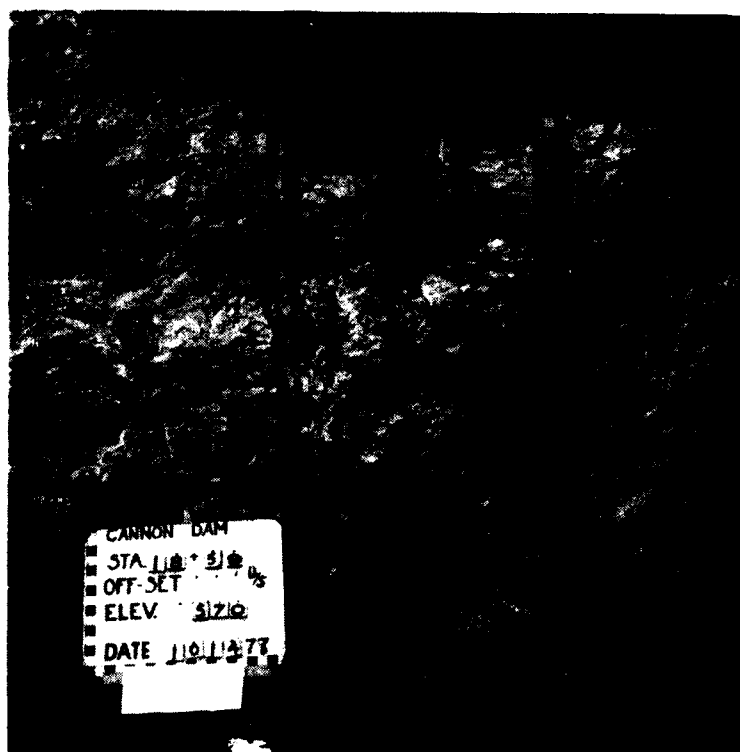
Cutoff wall, final foundation for concrete placement CW 5-2. Station 18+43, Offset downstream, Elevation 560-570 feet. 10 Oct. 1978.



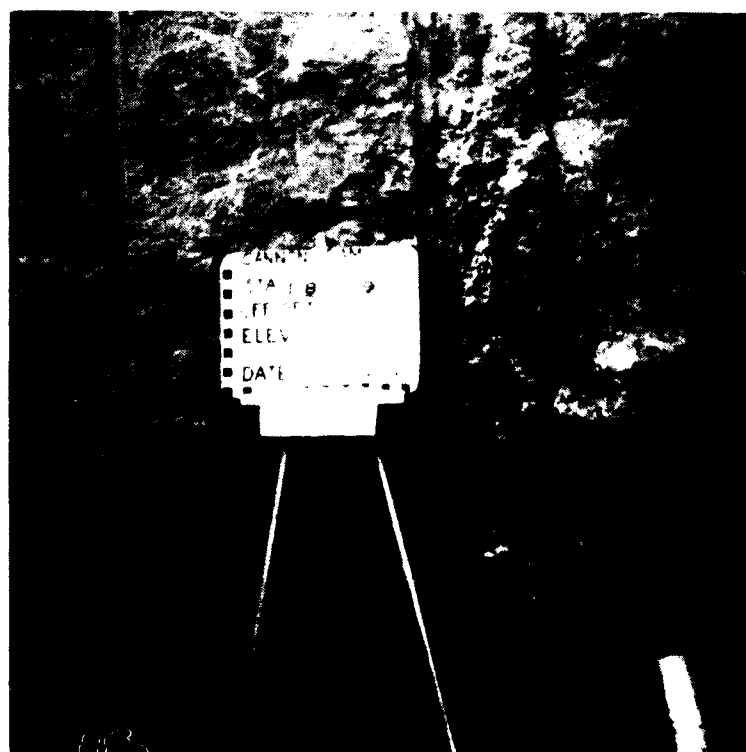
Cutoff wall, final foundation for concrete placement CW 5-3. Station 18+44, Offset upstream, Elevation 570-580 feet. 14 October 1978



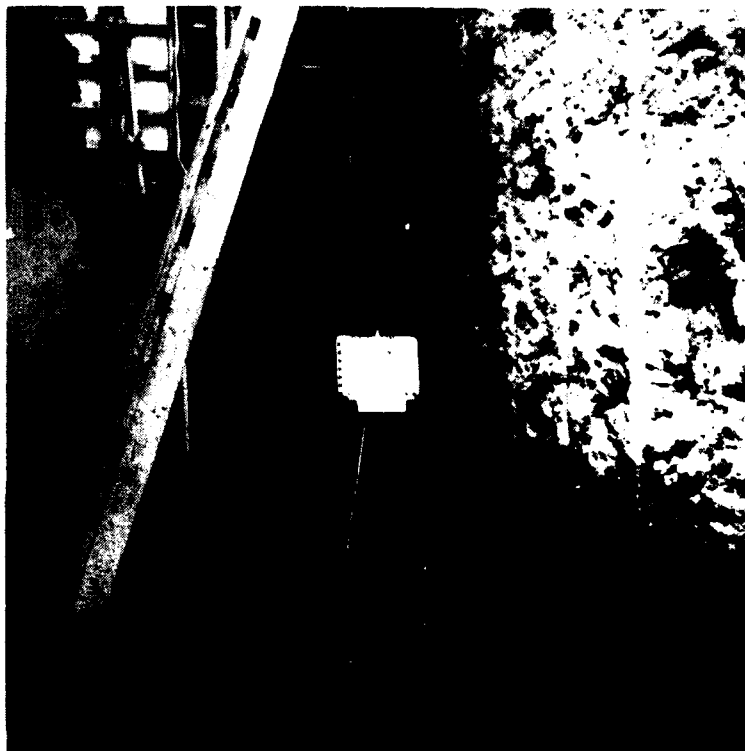
Cutoff wall, final foundation for concrete placement CW 5-3. Station 18+00, Offset upstream, Elevation 570-580 feet. 14 October 1978



Cutoff wall, final foundation for concrete placement CW 5-3. Station 18+59, Offset upstream, Elevation 570-580 feet. 14 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 5-3. Station 18+59 Offset upstream, Elevation 570-580 feet. 14 Oct. 1978.



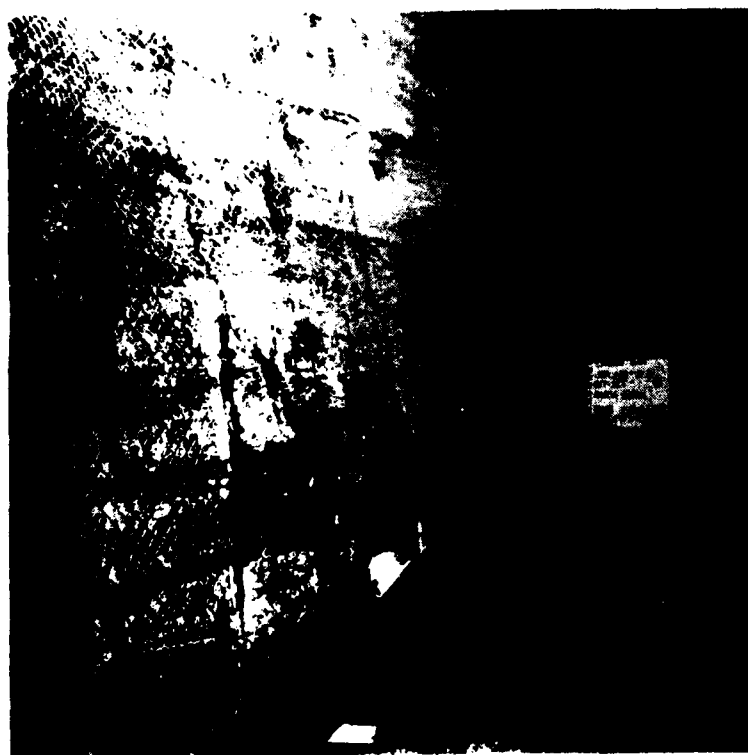
Cutoff wall, final foundation for concrete placement CW 5-3. Station 18+80, Offset downstream, Elevation 570-580 feet. 14 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 5-3. Station 18+59, Offset downstream, Elevation 570-580 feet. 14 Oct. 1978.



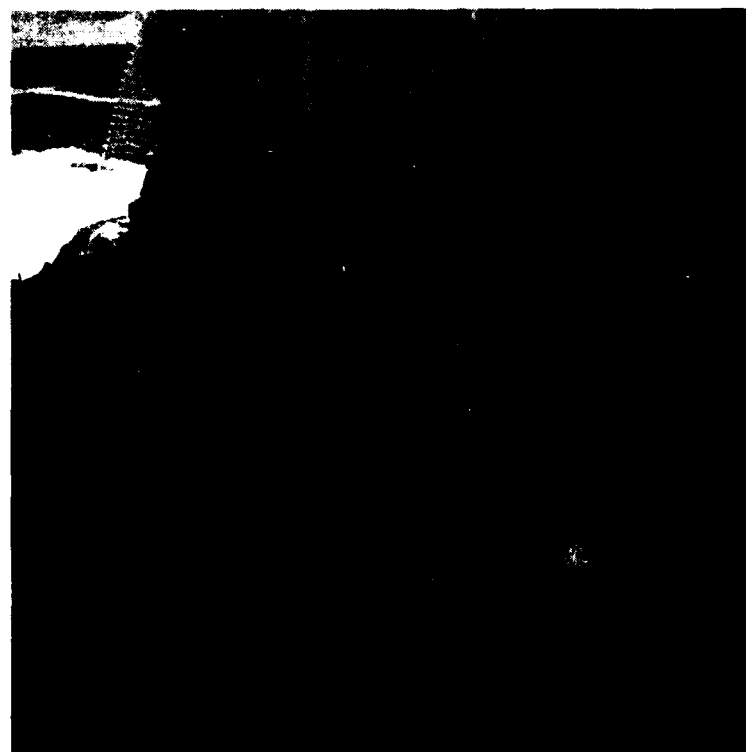
Cutoff wall, final foundation for concrete placement CW 5-4. Station 18+44, Offset upstream, Elevation 580-590 feet. 25 Oct. 1978.



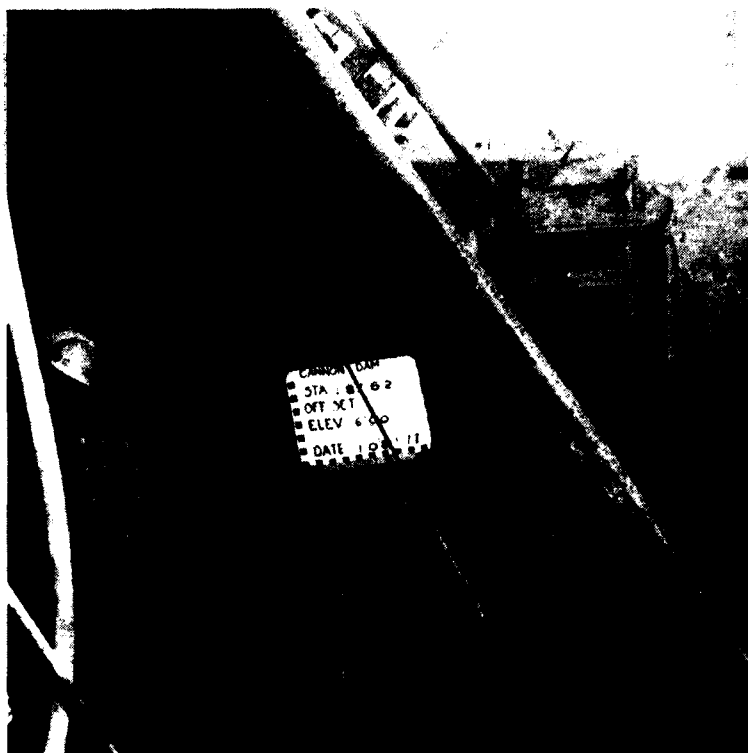
Cutoff wall, final foundation for concrete placement CW 5-4. Station 18+80, Offset upstream, Elevation 580-590 feet. 25 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 5-5. Station 18+55, Offset upstream, Elevation 590-600 feet. 27 Oct. 1978.



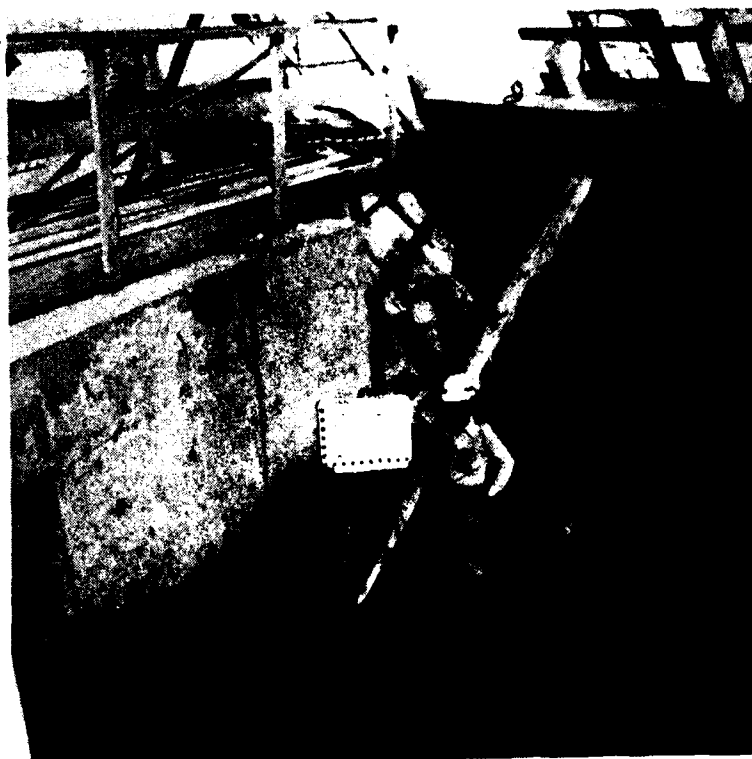
Cutoff wall, final foundation for concrete placement CW 5-5. Station 18+72, Offset upstream, Elevation 590-600 feet. 27 Oct. 1978.



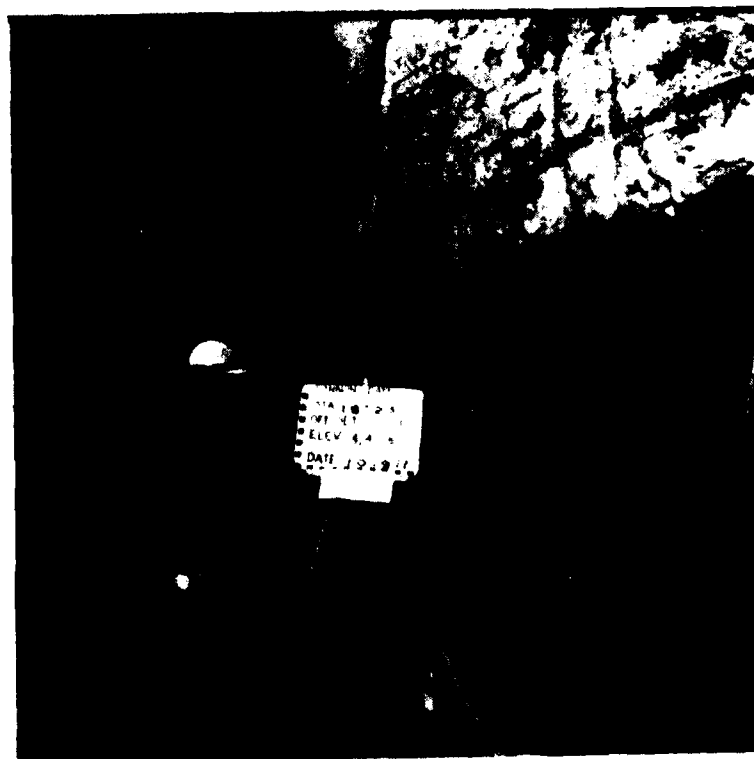
Cutoff wall, final foundation for concrete placement CW 5-6. Station 18+62, Offset upstream, Elevation 600-610 feet. 31 Oct. 1973.



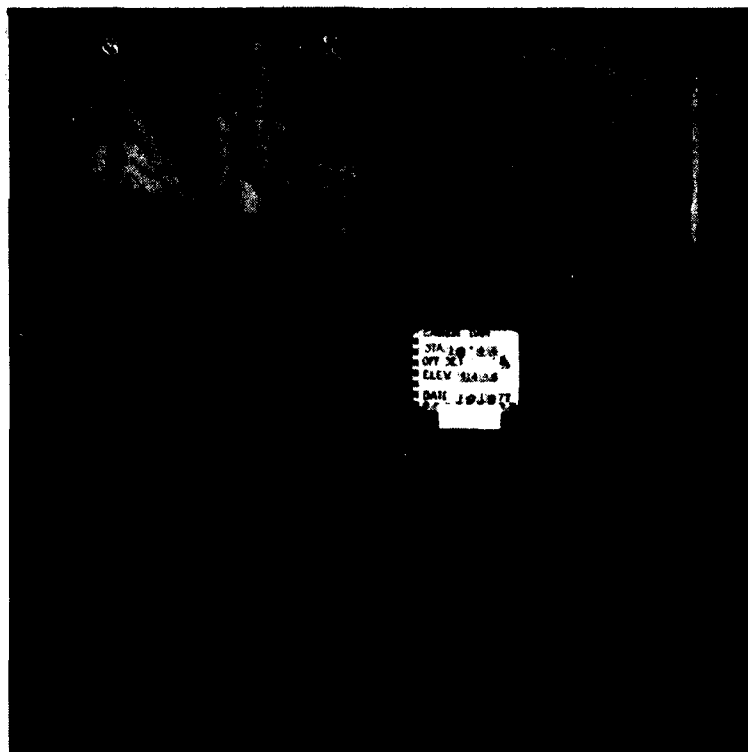
Cutoff wall, final foundation for concrete placement CW 5-6. Station 18+80, Offset upstream, Elevation 600-610 feet. 31 Oct. 1978.



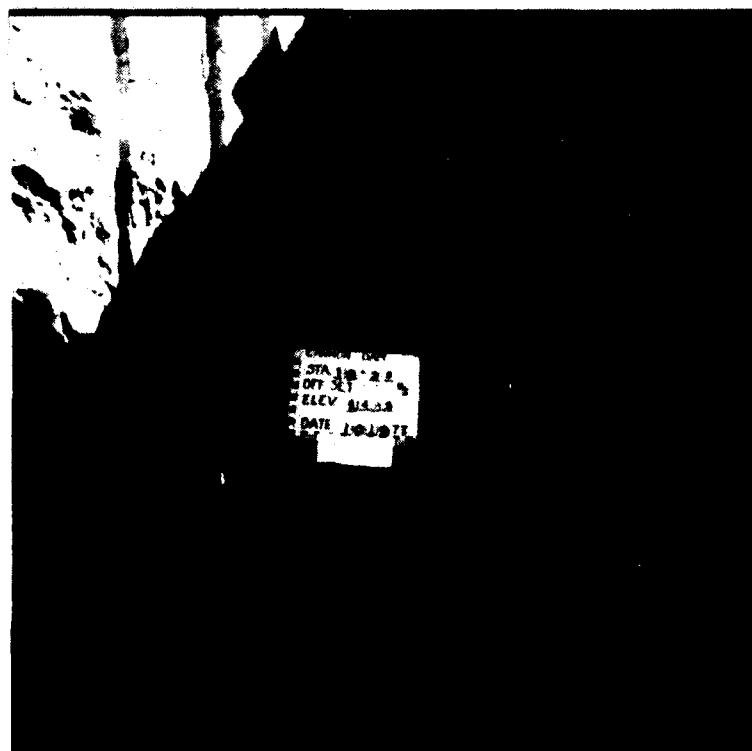
Cutoff wall, final foundation for concrete placement CW 5-6. Station 18+80, Offset downstream, Elevation 600-610 feet. 31 Oct. 1978.



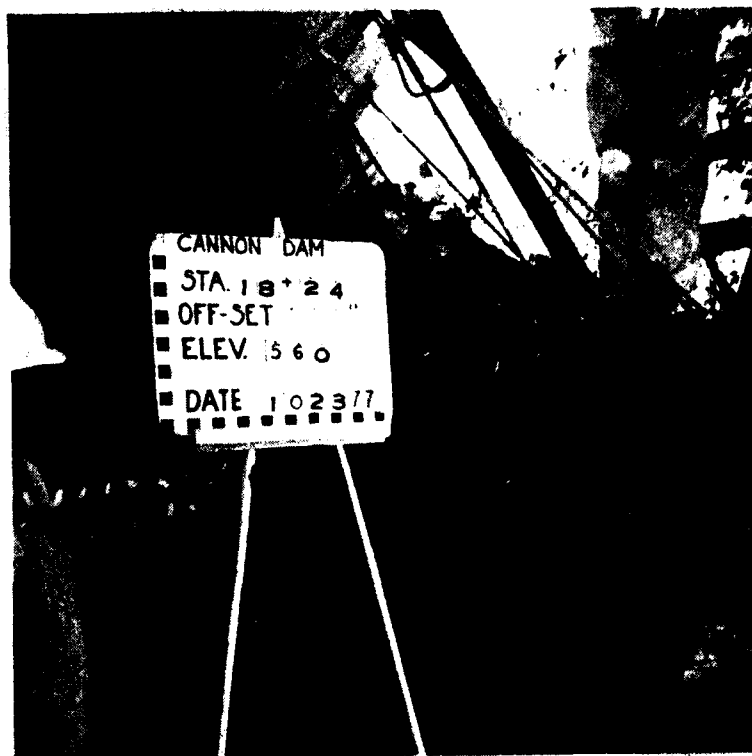
Cutoff wall, final foundation for concrete placement CW 6-1. Station 18+25, Offset upstream, Elevation 548.5-560 feet. 19 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 6-1. Station 18+44, Offset upstream, Elevation 548.5-560 feet. 19 Oct. 1978.



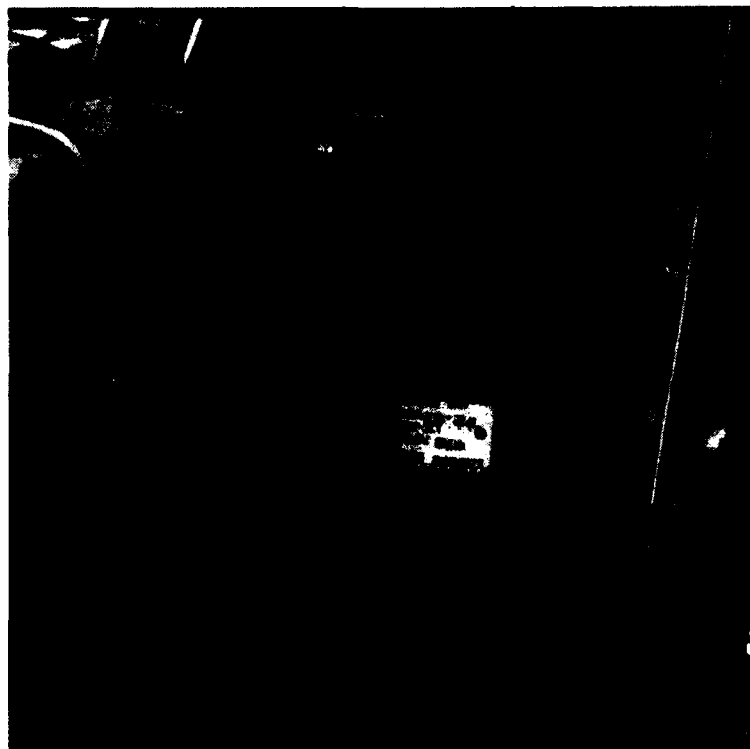
Cutoff wall, final foundation for concrete placement CW 6-1. Station 18+25, Offset downstream, Elevation 548.5-560 feet. 19 Oct. 1978.



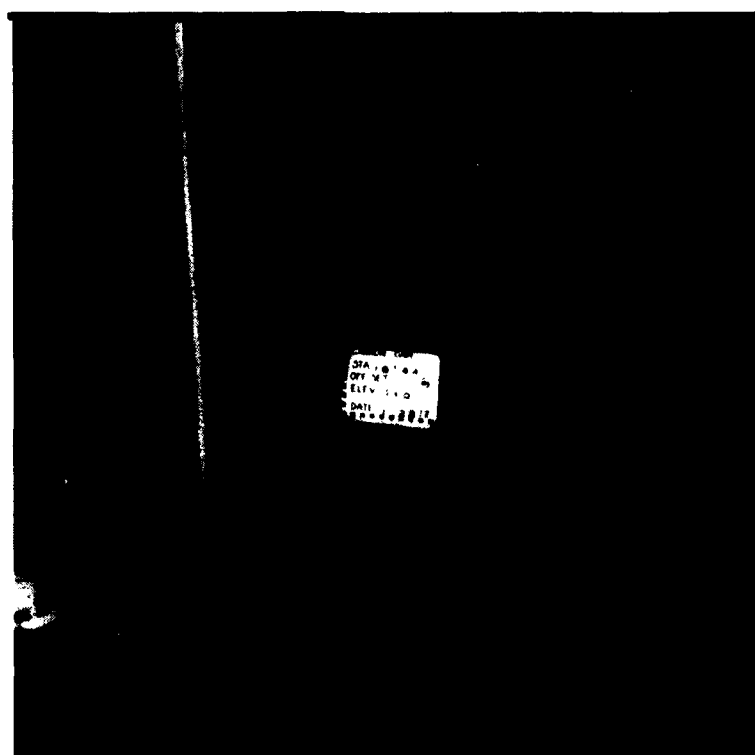
Cutoff wall, final foundation for concrete plscement CW 6-2. Station 18+24, Offset upstream, Elevation 560-570 feet. 23 Oct. 1978.



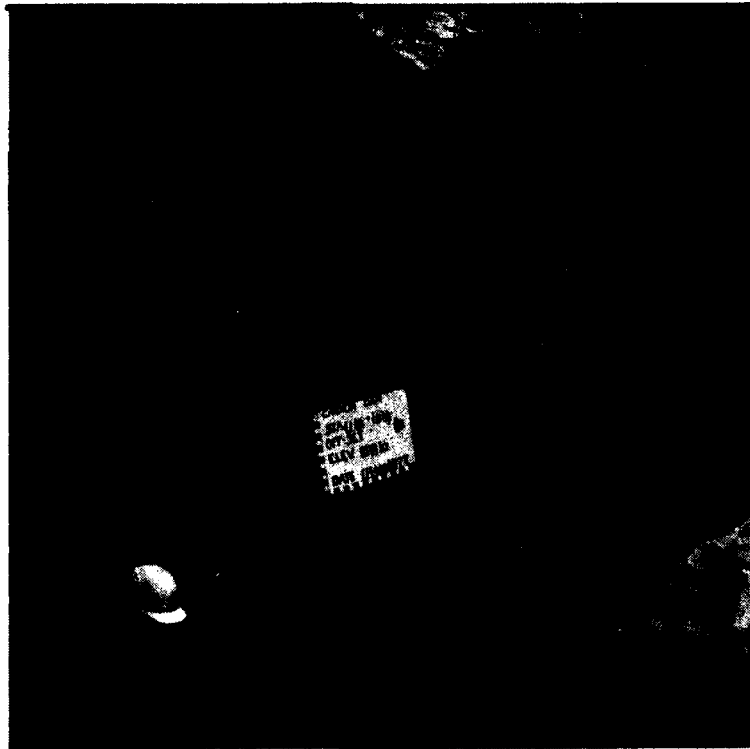
Cutoff wall, final foundation for concrete placement CW 6-2. Station 18+38, Offset upstream, Elevation 560-570 feet. 23 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 6-2. Station 18+44, Offset upstream, Elevation 560-570 feet. 23 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 6-2. Station 18+44, Offset downstream, Elevation 560-570 feet. 23 Oct. 1978.



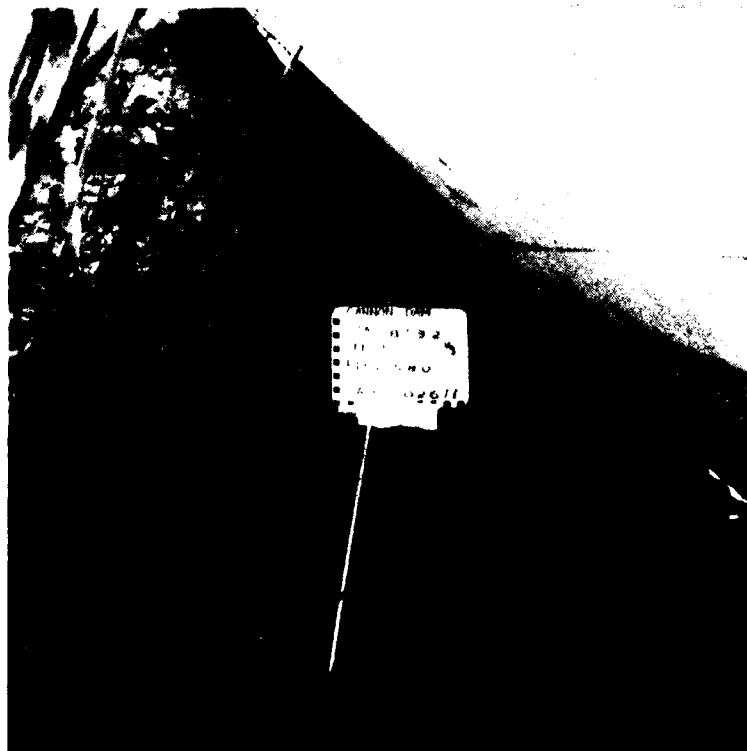
Cutoff wall, final foundation for concrete placement CW 6-2. Station 18+38, Offset downstream, Elevation 560-570 feet. 23 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 6-3. Station 18+32, Offset upstream, Elevation 570-580 feet. 26 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 6-3. Station 18+44. Offset upstream, Elevation 570-580 feet. 26 Oct. 1978.



Cutoff wall, final foundation for concrete placement CW 6-3. Station 18+32, Offset downstream, Elevation 570-580 feet. 26 Oct. 1978.



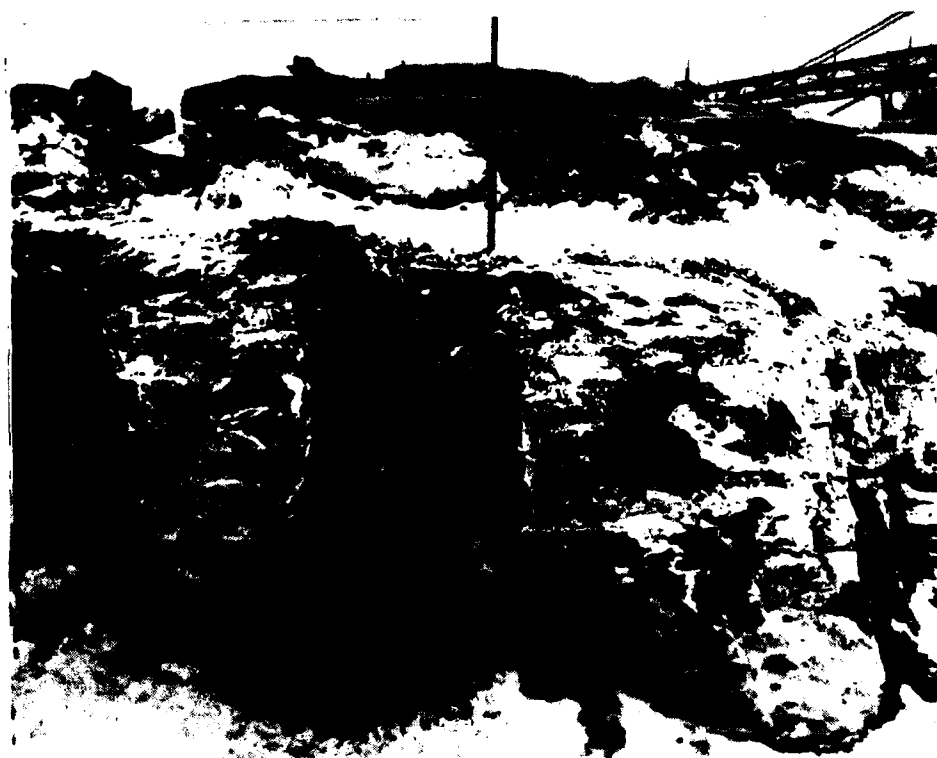
Left abutment ravine. View to the northwest.



Left abutment downstream ravine. Ledge#1.



Left abutment downstream ravine, Ledge#2.



Left abutment downstream ravine, Ledge#3.



Left abutment downstream ravine, Ledge#4.



Left abutment downstream ravine, performing tuckpointing on large open joints. April 1978.



Left abutment downstream ravine, tuckpointing performed on large open joints and bedding planes. April 1978.



Left abutment downstream ravine, performing foundation preparation and dental excavation on large solutioned joints and cavities. 1 May 1978



Photo showing left abutment downstream ravine foundation preparation and dental excavation; spring 1978.



Photo showing left abutment downstream ravine foundation preparation and dental excavation; 1 May 1978.

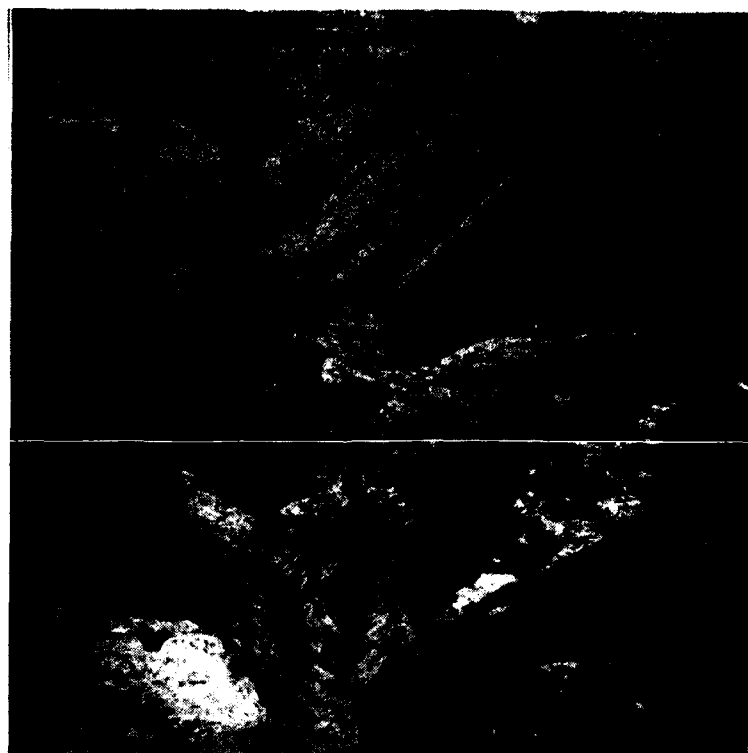
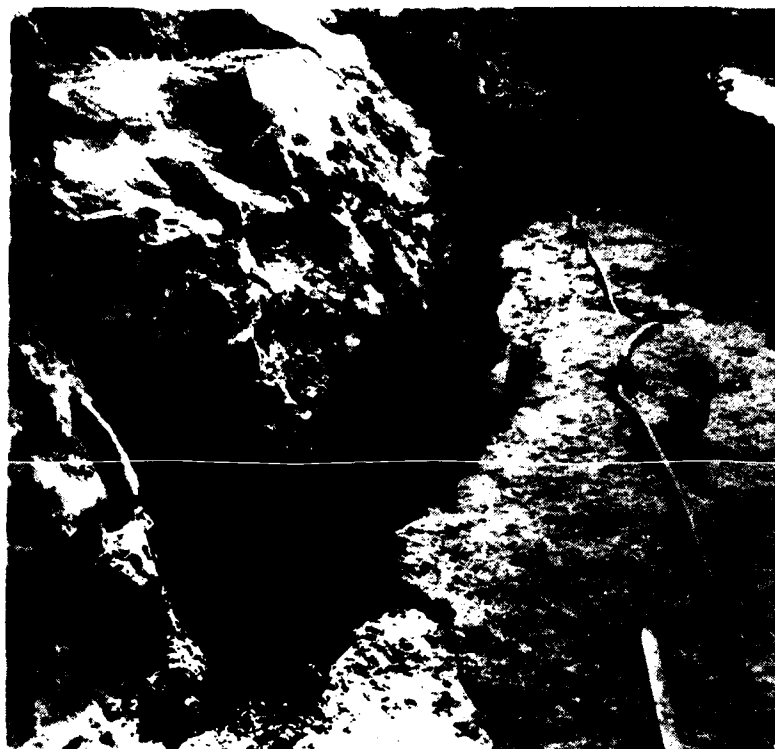


Photo shows foundation preparation and dental excavation on left abutment downstream ravine. 1 May 1978.



Left abutment downstream ravine, Ledge#3. Placing forms for concrete fillet. June 1978.



Left abutment downstream ravine, performing foundation preparation on solutioned joint at Station 18+33, Offset 175 feet downstream, Elevation 600 feet. July 1978



Performed foundation preparation and dental excavation on left abutment downstream ravine. Station 18+30, Offset 75 feet downstream, Elevation 585 feet. Jul. 1978

END

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